

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049813.D
 Acq On : 13 Jul 2018 22:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 14 01:37:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1133953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1671772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1539598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	823155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	670755	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	7.59	113	639986	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	2137402	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	803102	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	459420	46.68	ug/l	97
3) Chloromethane	2.06	50	622821	47.84	ug/l	100
4) Vinyl Chloride	2.18	62	699771	48.63	ug/l	99
5) Bromomethane	2.56	94	412169	46.14	ug/l	98
6) Chloroethane	2.70	64	458510	45.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	996270	46.34	ug/l	99
8) Diethyl Ether	3.41	74	349812	45.40	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	628957	45.07	ug/l	99
10) Methyl Iodide	3.95	142	890211	50.19	ug/l	99
11) Tert butyl alcohol	4.80	59	197483	223.69	ug/l	100
12) 1,1-Dichloroethene	3.74	96	552337	45.04	ug/l	98
13) Acrolein	3.61	56	140424	181.09	ug/l	96
14) Allyl chloride	4.33	41	885354	44.24	ug/l	98
15) Acrylonitrile	5.00	53	1055103	238.64	ug/l	98
16) Acetone	3.82	43	743972	228.99	ug/l	99
17) Carbon Disulfide	4.05	76	1418719	45.12	ug/l	99
18) Methyl Acetate	4.33	43	552158	50.12	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1653373	48.61	ug/l	99
20) Methylene Chloride	4.55	84	670407	49.53	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	596725	44.52	ug/l	99
22) Diisopropyl ether	5.96	45	2068209	50.31	ug/l	96
23) Vinyl Acetate	5.90	43	6780444	246.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1198324	46.40	ug/l	100
25) 2-Butanone	6.84	43	1179530	229.46	ug/l	100
26) 2,2-Dichloropropane	6.83	77	847477	39.54	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	711914	46.44	ug/l	98
28) Bromochloromethane	7.20	49	575964	49.04	ug/l	98
29) Tetrahydrofuran	7.22	42	777133	240.75	ug/l	99
30) Chloroform	7.37	83	1261535	47.41	ug/l	99
31) Cyclohexane	7.66	56	948900	46.15	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1066226	47.18	ug/l	99
36) 1,1-Dichloropropene	7.80	75	890459	46.22	ug/l	100
37) Ethyl Acetate	6.93	43	548613	48.11	ug/l	99
38) Carbon Tetrachloride	7.78	117	930166	46.19	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	909116	44.77	ug/l	97
40) Benzene	8.04	78	2722800	47.24	ug/l	99
41) Methacrylonitrile	7.18	41	293211	45.46	ug/l	97
42) 1,2-Dichloroethane	8.13	62	882925	46.84	ug/l	100
43) Isopropyl Acetate	8.17	43	1243994	60.69	ug/l	96
44) Trichloroethene	8.84	130	706171	45.51	ug/l	99
45) 1,2-Dichloropropane	9.12	63	745700	48.15	ug/l	99
46) Dibromomethane	9.21	93	436321	47.43	ug/l	98
47) Bromodichloromethane	9.40	83	978336	48.30	ug/l	99
48) Methyl methacrylate	9.20	41	487969	47.62	ug/l	98
49) 1,4-Dioxane	9.20	88	130399	971.11	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2800905	251.68	ug/l	100
52) Toluene	10.16	92	1698808	49.25	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	935094	47.99	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1079308	48.63	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	645652	49.47	ug/l	100
56) Ethyl methacrylate	10.43	69	790682	50.79	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1067599	48.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1922929	257.53	ug/l	100
59) 2-Hexanone	10.75	43	1831380	247.54	ug/l	99
60) Dibromochloromethane	10.90	129	745419	49.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	609399	48.55	ug/l	100
64) Tetrachloroethene	10.63	164	641223	45.87	ug/l	99
65) Chlorobenzene	11.44	112	1890908	47.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	738867	48.96	ug/l	99
67) Ethyl Benzene	11.51	91	3241276	49.35	ug/l	100
68) m/p-Xylenes	11.62	106	2505163	101.62	ug/l	99
69) o-Xylene	11.95	106	1193455	50.11	ug/l	99
70) Styrene	11.97	104	2025052	53.53	ug/l	100
71) Bromoform	12.13	173	509662	49.99	ug/l #	100
73) Isopropylbenzene	12.25	105	3246184	47.45	ug/l	100
74) N-amyl acetate	12.07	43	888308	49.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	806039	51.18	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	954989	65.31	ug/l #	100
77) Bromobenzene	12.53	156	839788	46.27	ug/l	99
78) n-propylbenzene	12.59	91	3750847	48.63	ug/l	100
79) 2-Chlorotoluene	12.68	91	2234814	47.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2672393	49.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	209920	46.36	ug/l	100
82) 4-Chlorotoluene	12.77	91	2242460	47.90	ug/l	100
83) tert-Butylbenzene	12.99	119	2318338	47.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2744594	50.34	ug/l	100
85) sec-Butylbenzene	13.17	105	3131656	49.12	ug/l	99
86) p-Isopropyltoluene	13.29	119	2708146	50.20	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1492921	47.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1450848	47.43	ug/l	99
89) n-Butylbenzene	13.62	91	2189217	49.16	ug/l	99
90) Hexachloroethane	13.88	117	510819	48.92	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1479920	48.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	121199	50.13	ug/l	98

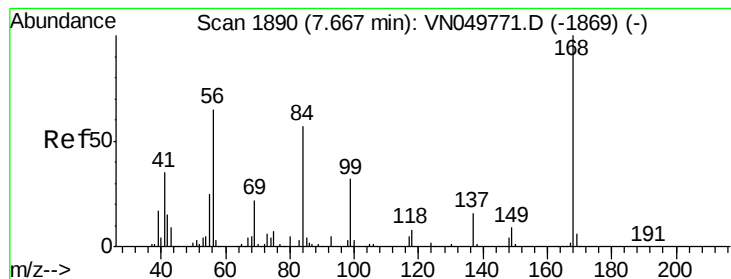
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	735911	43.99	ug/l	99
94) Hexachlorobutadiene	15.01	225	451197	47.96	ug/l	99
95) Naphthalene	15.14	128	1521081	42.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	739941	49.69	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

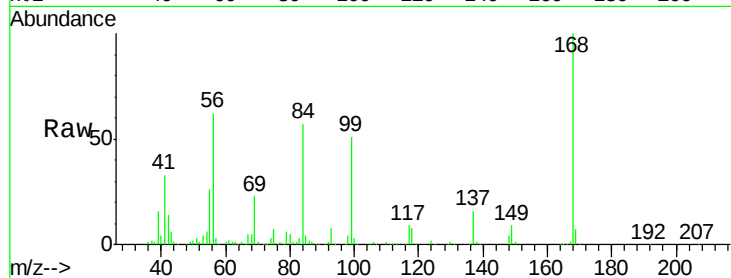
VSTDCCC050

Tot Ion:168 Resp: 1133953

Ion Ratio Lower Upper

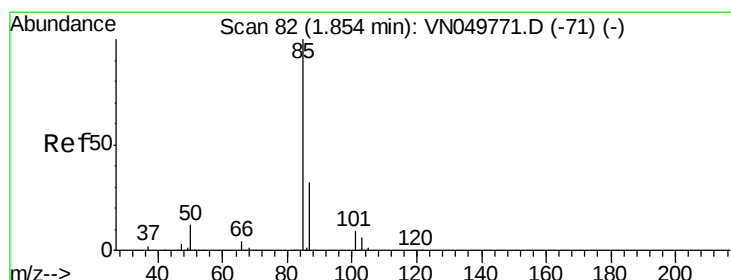
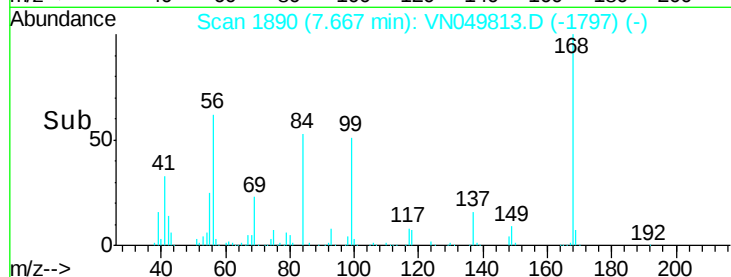
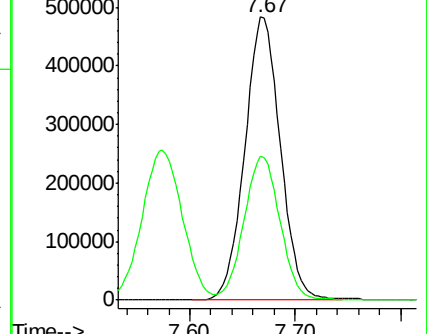
168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 46.68 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049813.D

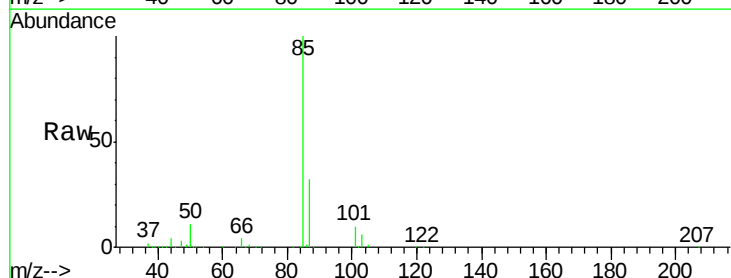
Acq: 13 Jul 2018 22:38

Tgt Ion: 85 Resp: 459420

Ion Ratio Lower Upper

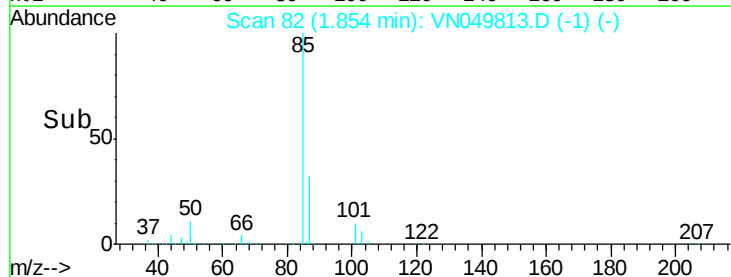
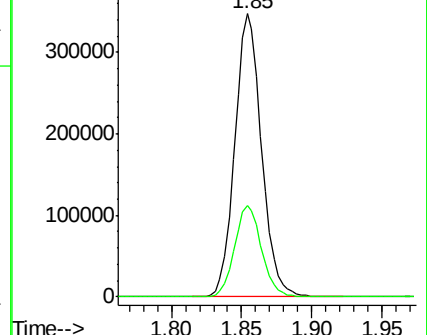
85 100

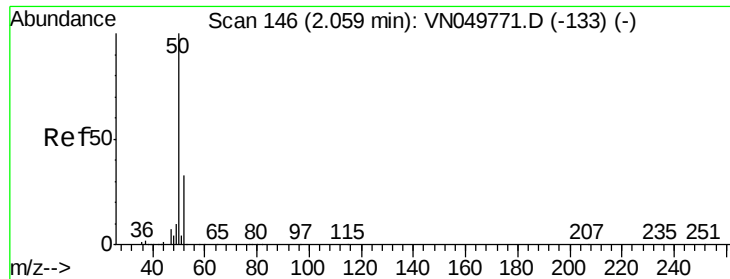
87 32.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 47.84 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

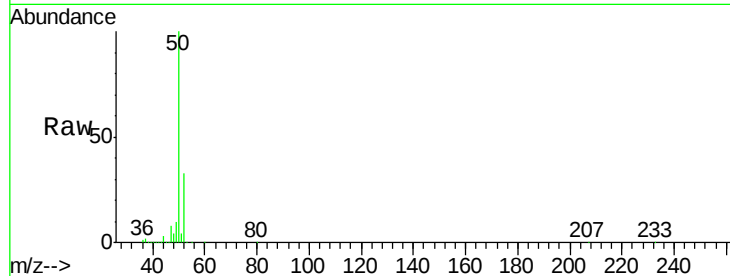
VSTDCCC050

Tot Ion: 50 Resp: 622821

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN049813.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049813.D (-133) (-)

2.06

500000

400000

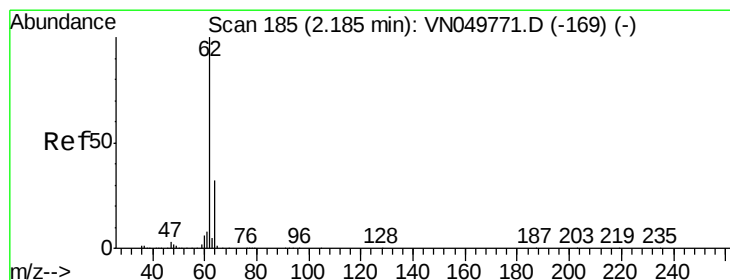
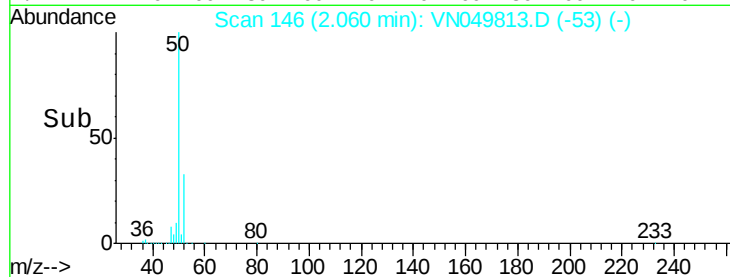
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 48.63 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049813.D

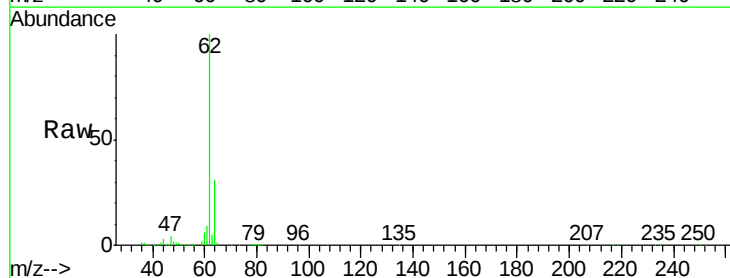
Acq: 13 Jul 2018 22:38

Tgt Ion: 62 Resp: 699771

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN049813.D (-169) (-)

Ion 63.90 (63.60 to 64.60): VN049813.D (-169) (-)

2.18

500000

400000

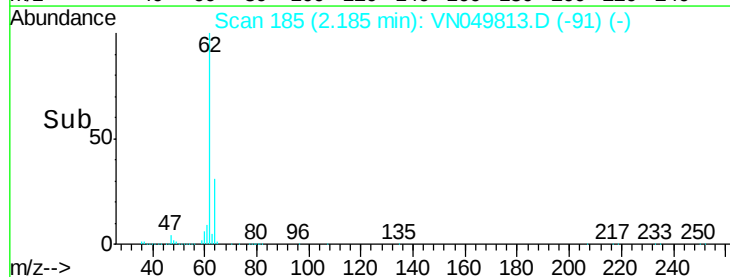
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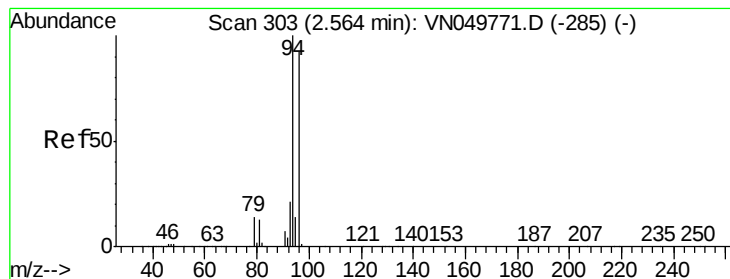
200000

100000

0

Time-->





#5

Bromomethane

Concen: 46.14 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

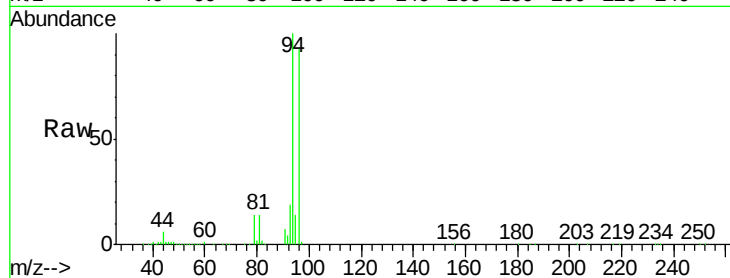
VSTDCCC050

Tot Ion: 94 Resp: 412169

Ion Ratio Lower Upper

94 100

96 92.8 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049813.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049813.D (-210) (-)

2.56

200000

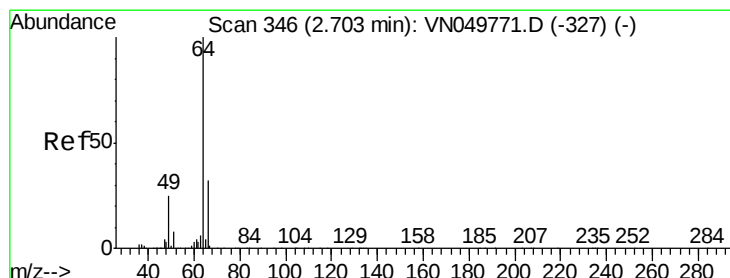
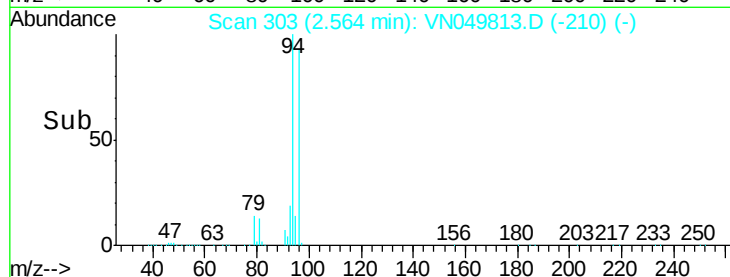
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049813.D

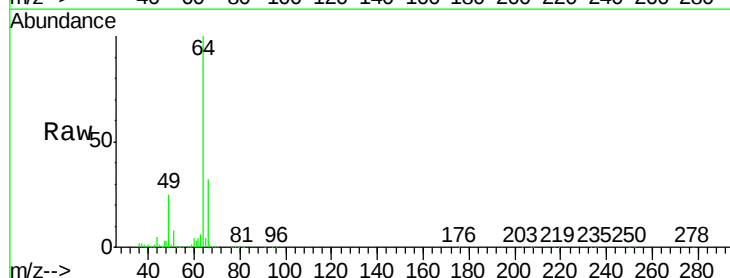
Acq: 13 Jul 2018 22:38

Tgt Ion: 64 Resp: 458510

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049813.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049813.D (-253) (-)

2.70

250000

200000

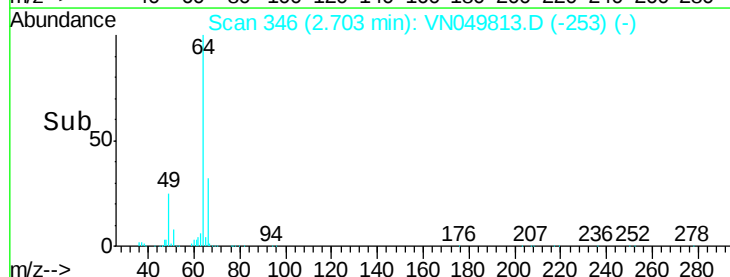
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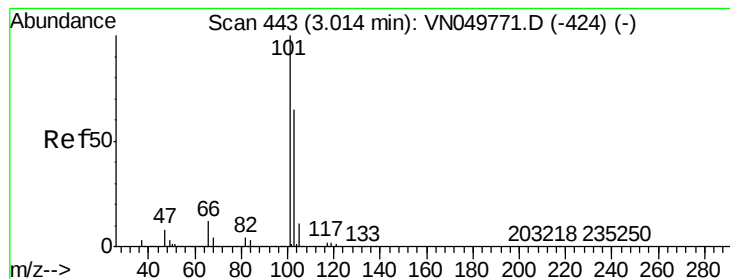
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 46.34 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

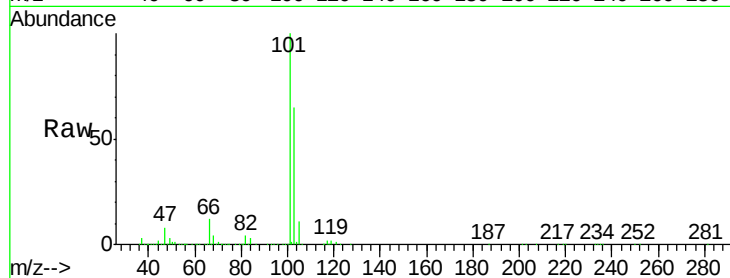
VSTDCCC050

Tot Ion:101 Resp: 996270

Ion Ratio Lower Upper

101 100

103 64.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

400000

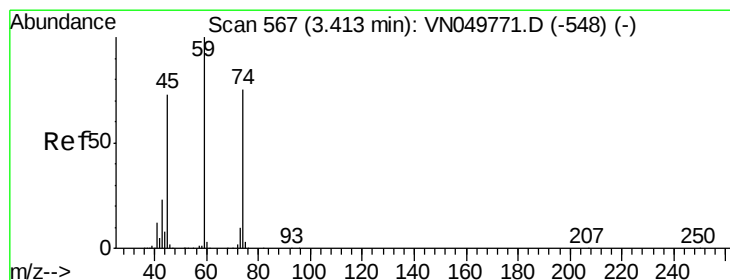
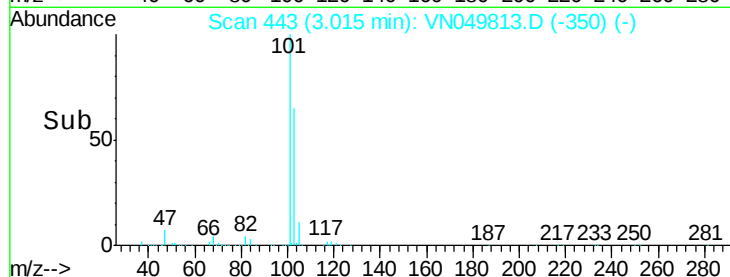
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 45.40 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049813.D

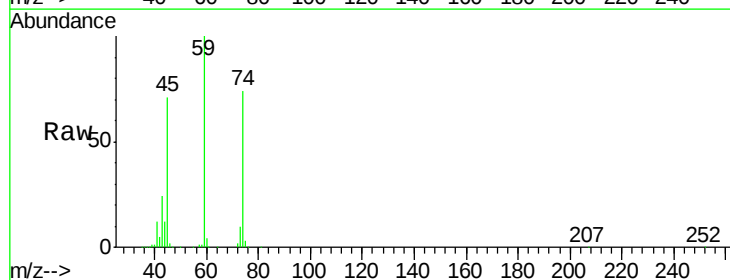
Acq: 13 Jul 2018 22:38

Tgt Ion: 74 Resp: 349812

Ion Ratio Lower Upper

74 100

45 96.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

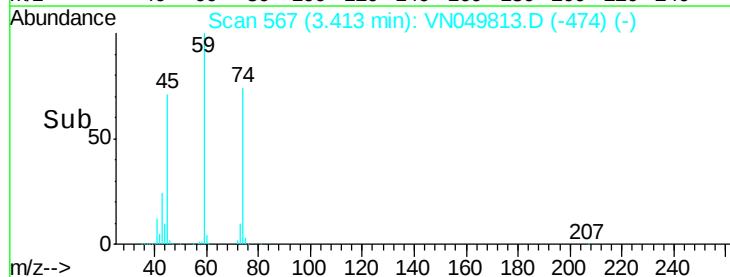
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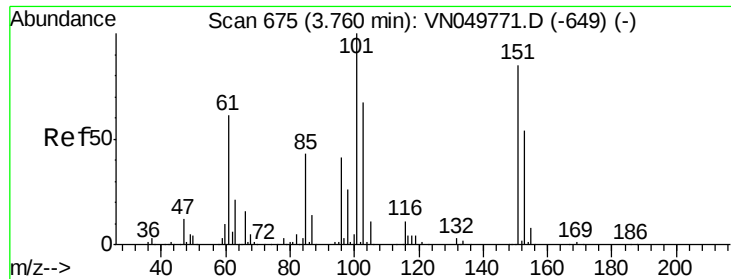
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.07 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

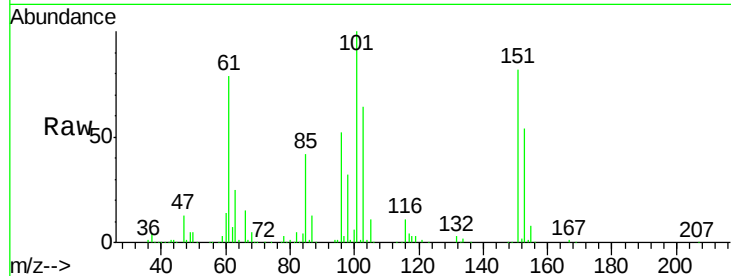
Tot Ion:101 Resp: 628957

Ion Ratio Lower Upper

101 100

85 42.2 34.4 51.6

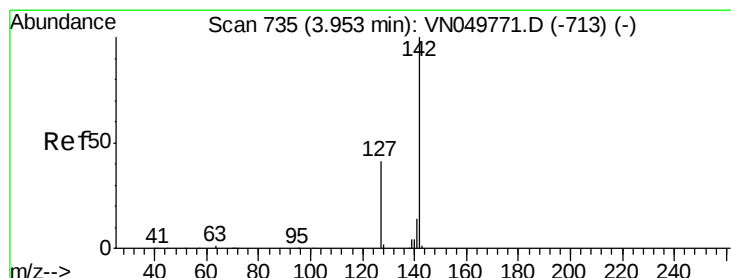
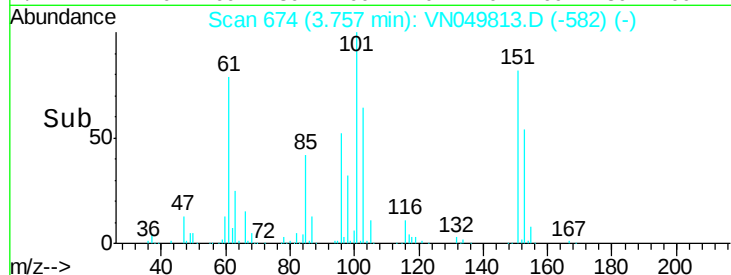
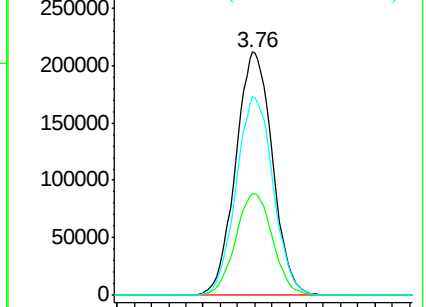
151 82.3 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.19 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

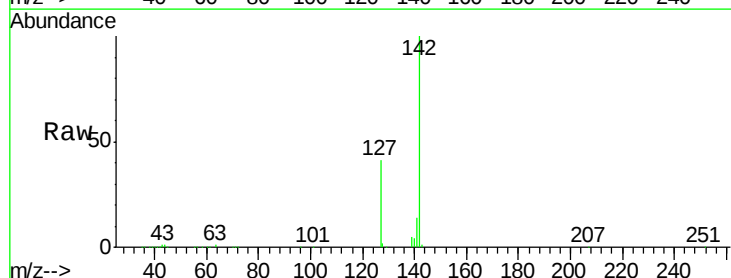
Tgt Ion:142 Resp: 890211

Ion Ratio Lower Upper

142 100

127 41.4 32.5 48.7

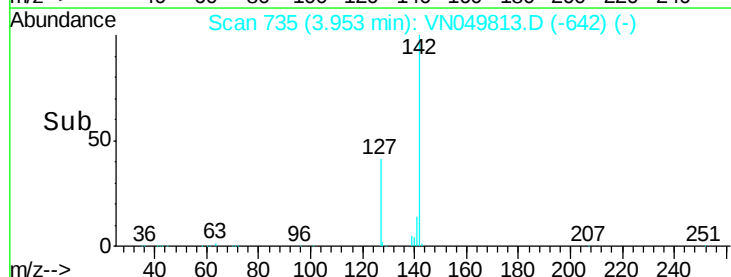
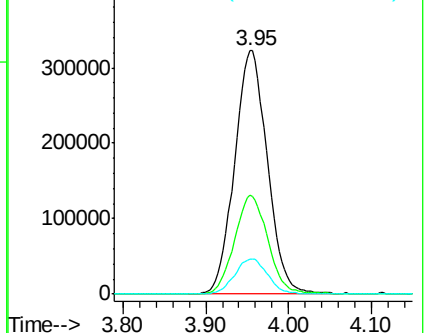
141 14.5 11.1 16.7

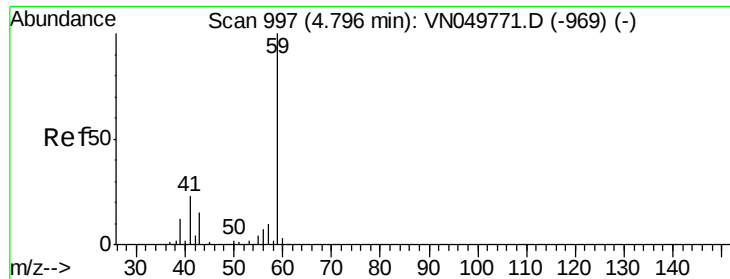


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



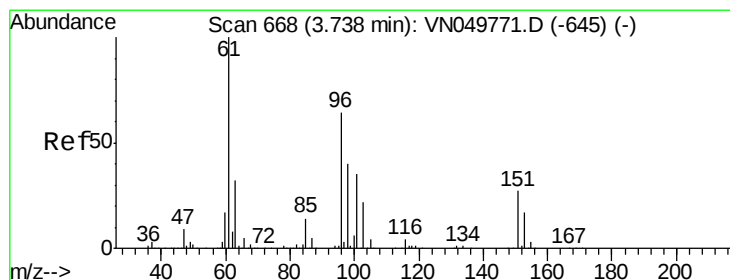
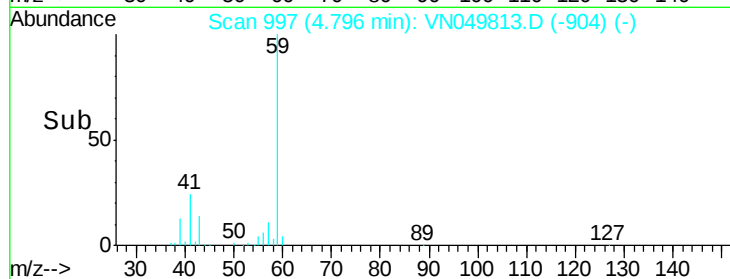
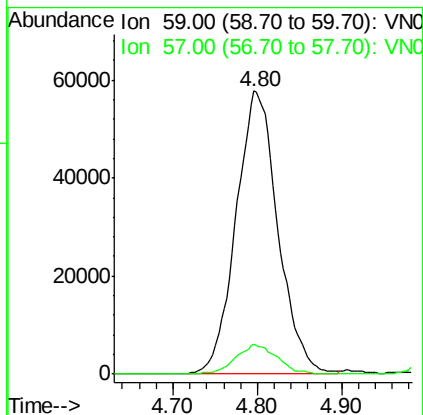
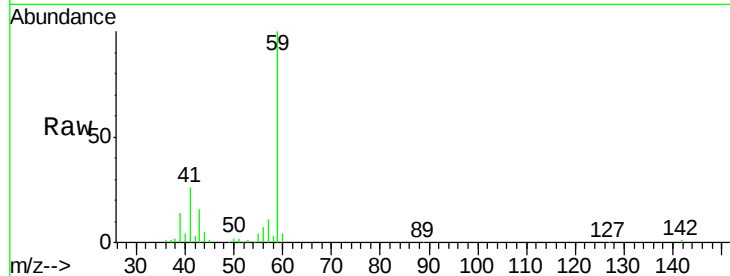


#11

Tert butyl alcohol
 Concen: 223.69 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

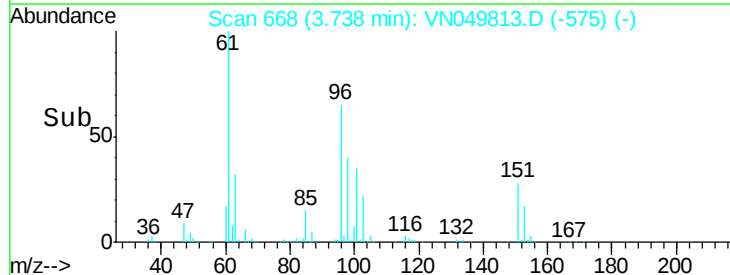
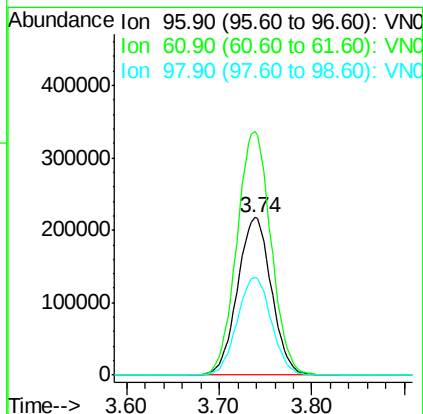
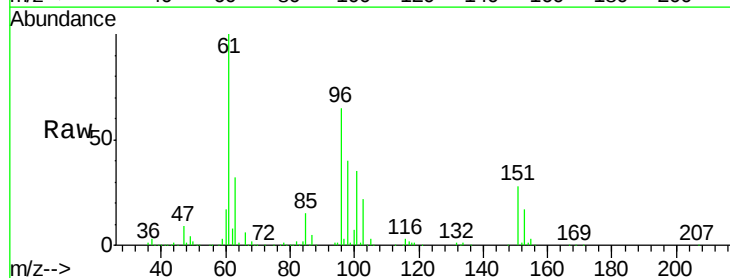
Tot Ion: 59 Resp: 197483
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

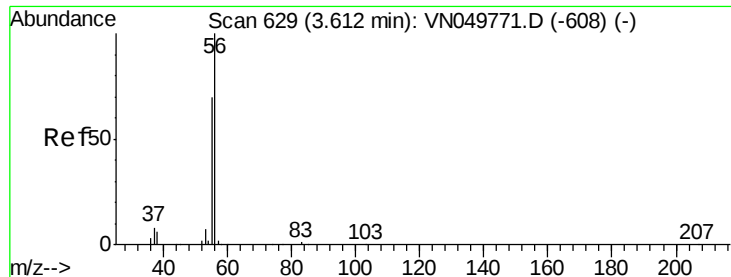


#12

1,1-Dichloroethene
 Concen: 45.04 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion: 96 Resp: 552337
 Ion Ratio Lower Upper
 96 100
 61 154.7 126.5 189.7
 98 62.3 51.0 76.6





#13

Acrolein

Concen: 181.09 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

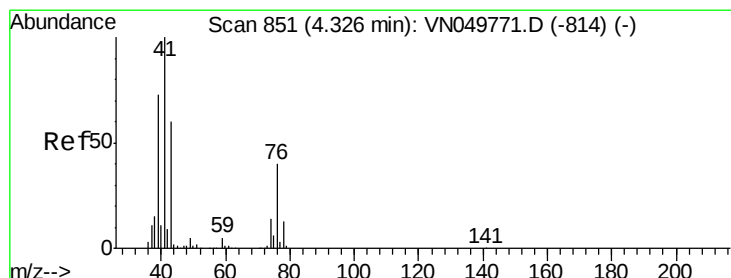
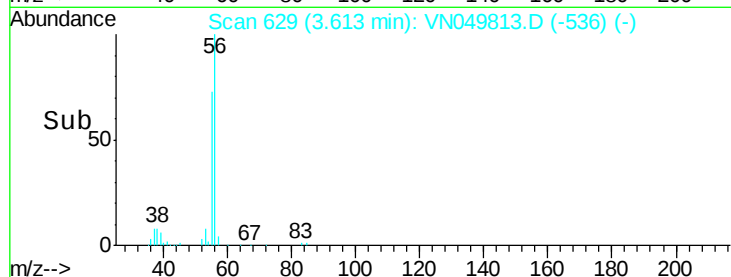
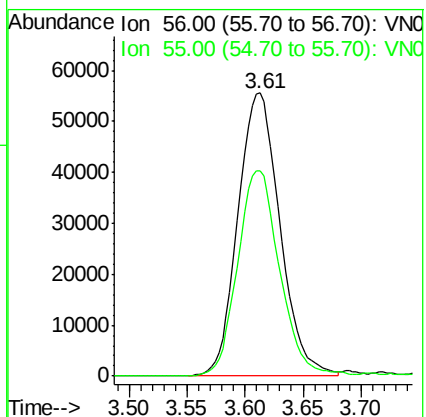
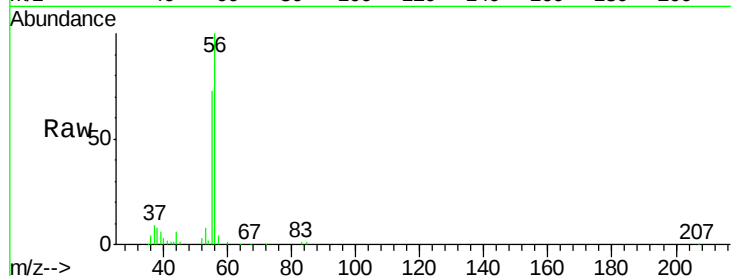
VSTDCCC050

Tot Ion: 56 Resp: 140424

Ion Ratio Lower Upper

56 100

55 72.7 55.8 83.8



#14

Allyl chloride

Concen: 44.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

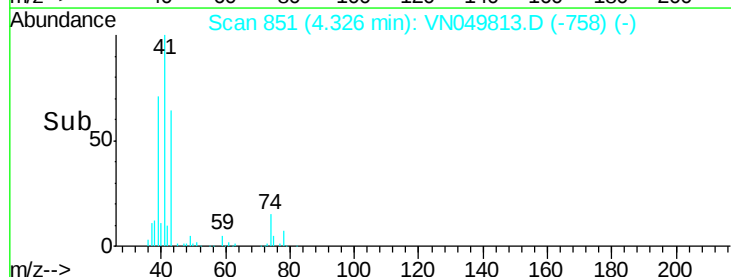
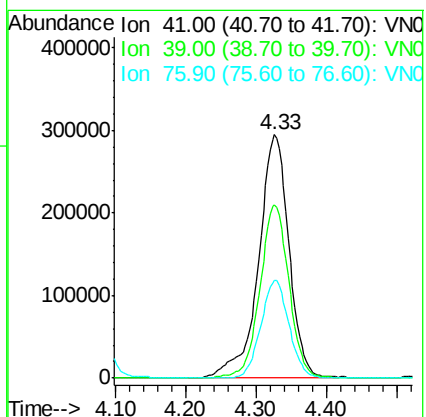
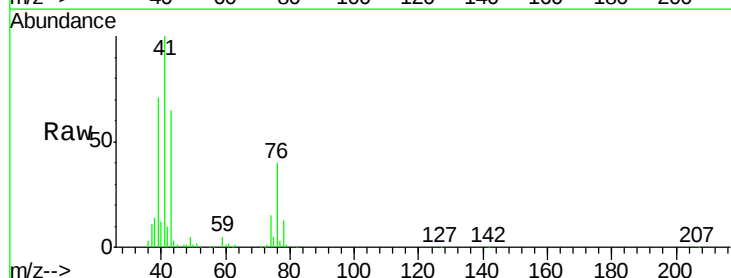
Tgt Ion: 41 Resp: 885354

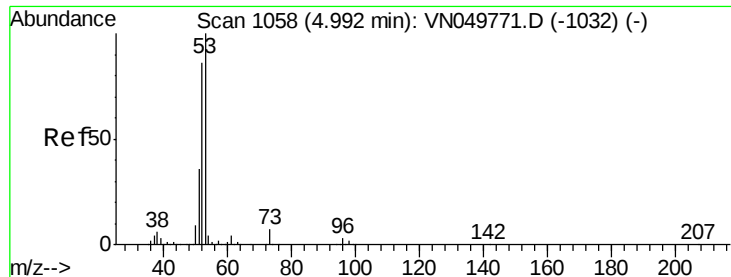
Ion Ratio Lower Upper

41 100

39 68.3 53.2 79.8

76 37.0 29.0 43.6



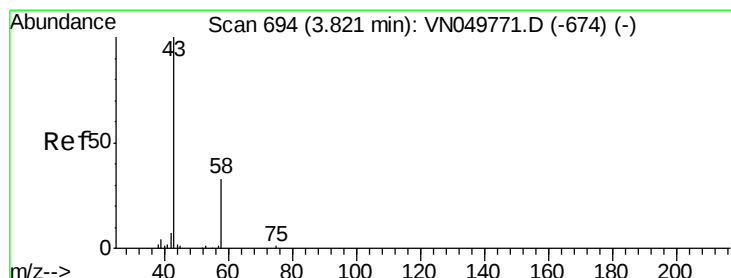
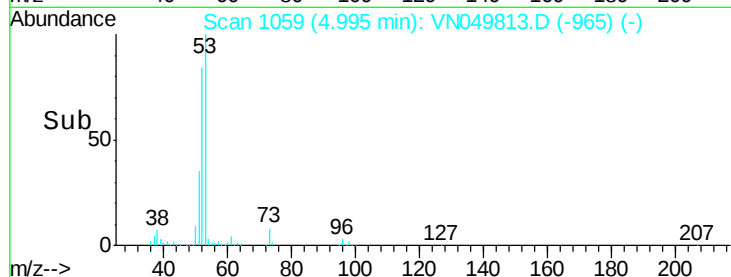
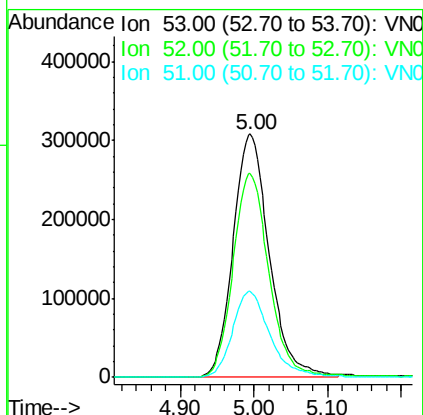
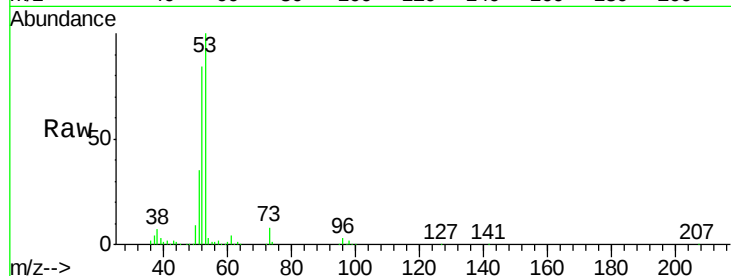


#15
 Acrylonitrile
 Concen: 238.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 1055103

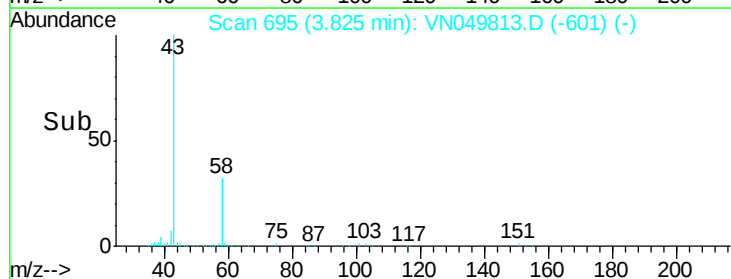
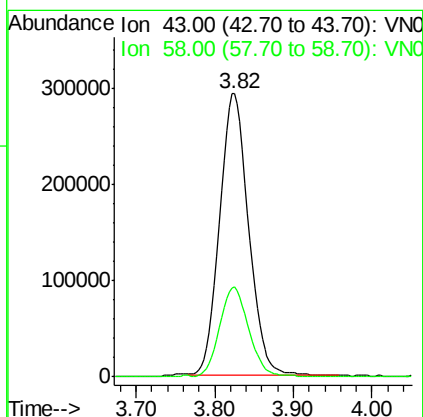
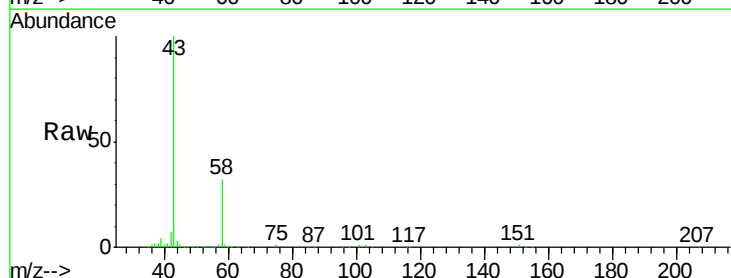
Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.8	97.2
51	36.7	28.9	43.3

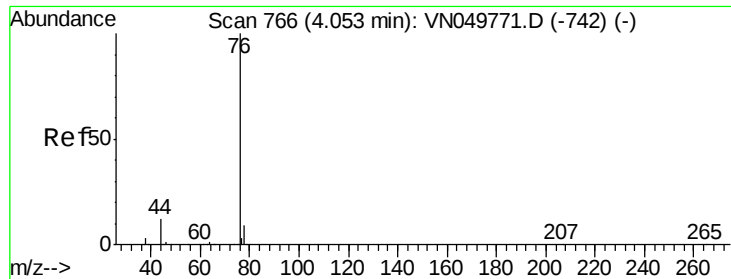


#16
 Acetone
 Concen: 228.99 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion: 43 Resp: 743972

Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.9	38.9

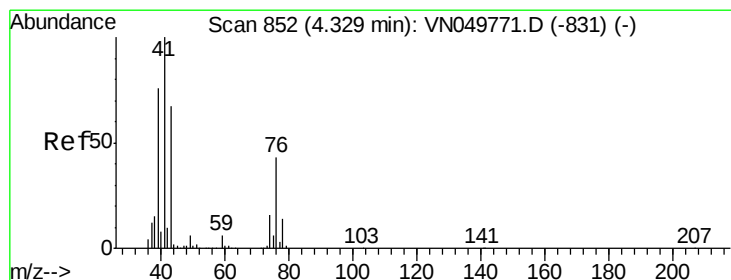
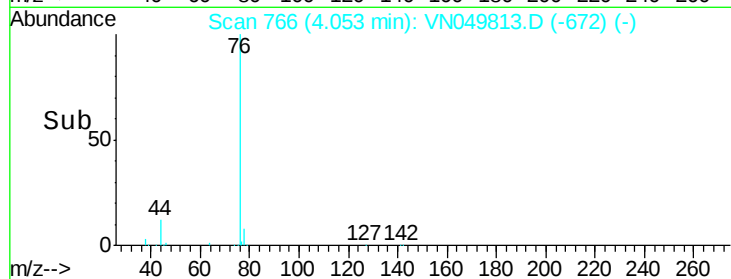
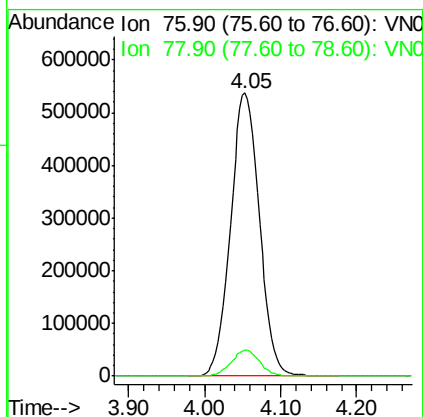
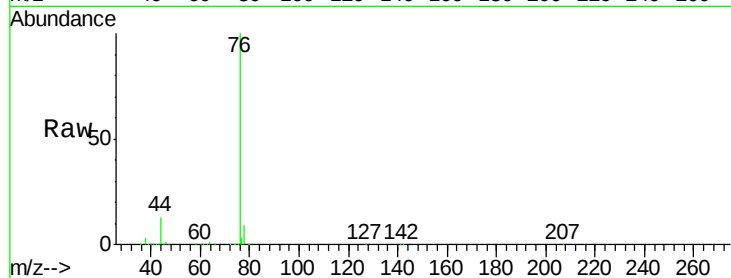




#17
Carbon Disulfide
Concen: 45.12 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

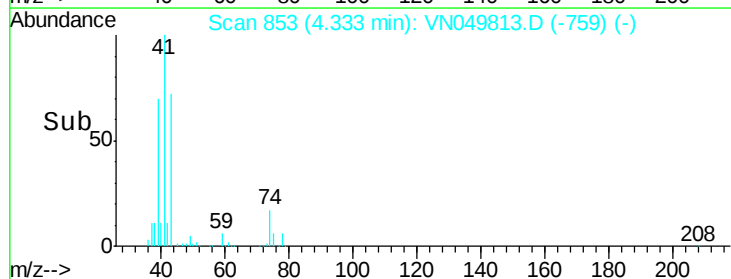
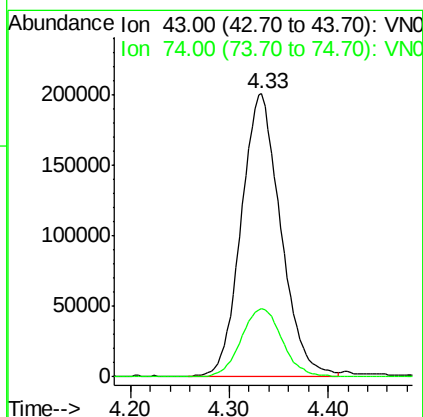
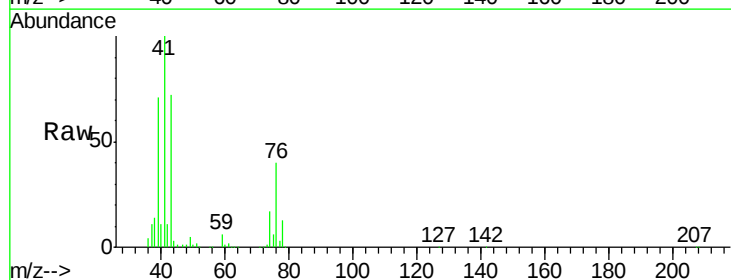
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

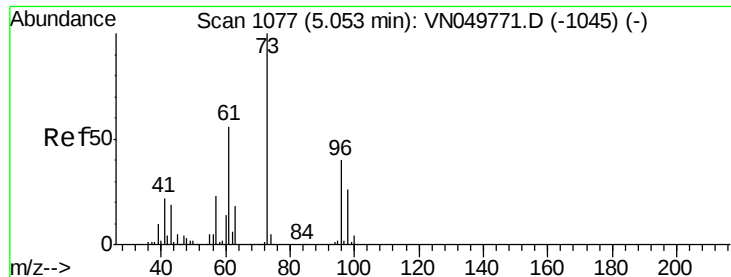
Tot Ion: 76 Resp: 1418719
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 50.12 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 43 Resp: 552158
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8

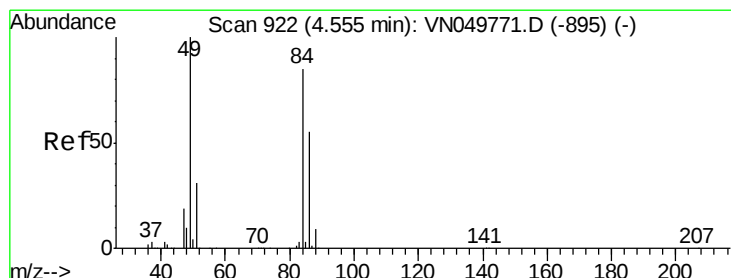
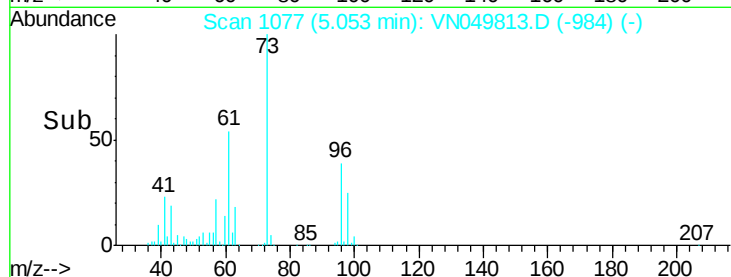
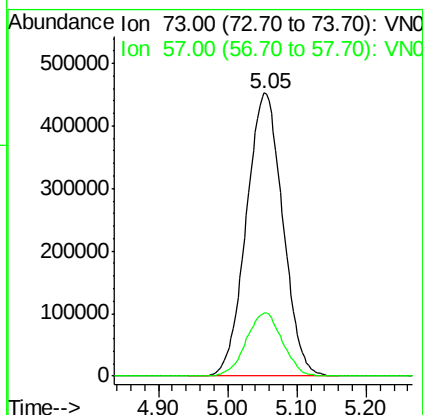
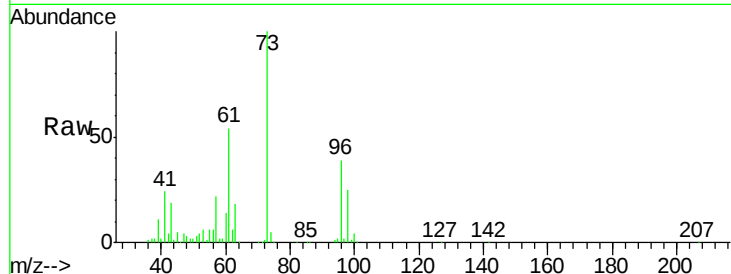




#19
Methyl tert-butyl Ether
Concen: 48.61 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

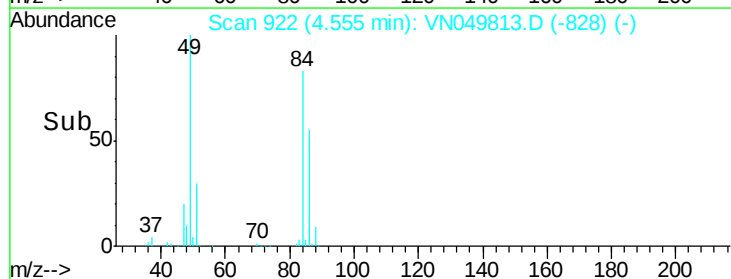
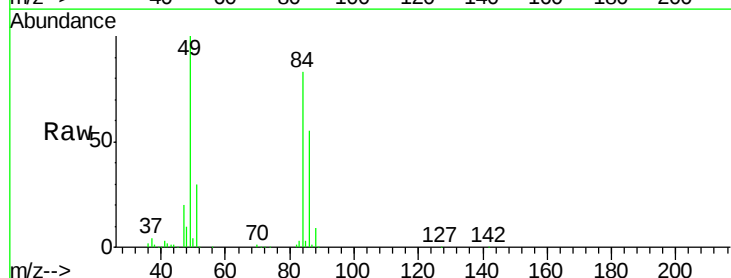
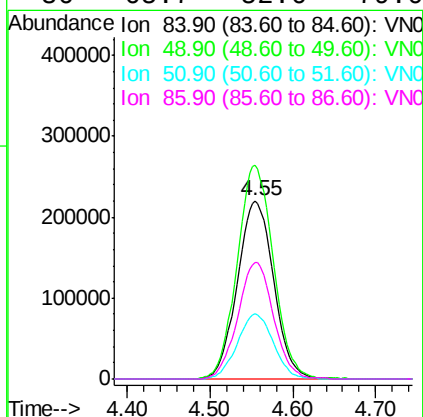
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

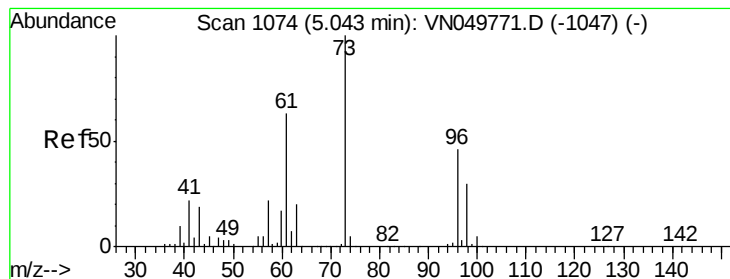
Tot Ion: 73 Resp: 1653373
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 49.53 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 84 Resp: 670407
Ion Ratio Lower Upper
84 100
49 119.9 95.4 143.2
51 36.4 28.4 42.6
86 65.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 44.52 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

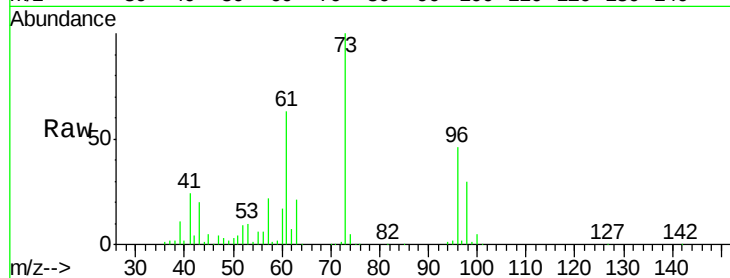
Tot Ion: 96 Resp: 596725

Ion Ratio Lower Upper

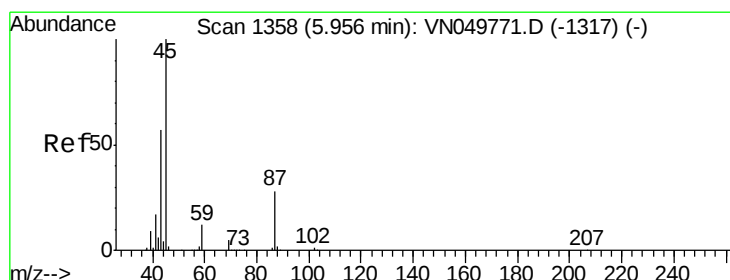
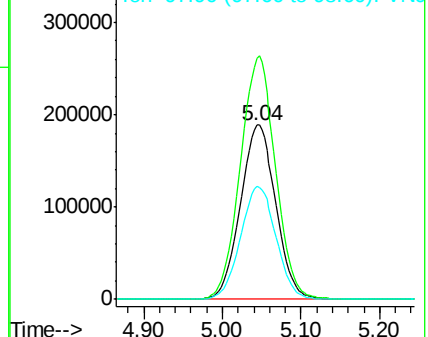
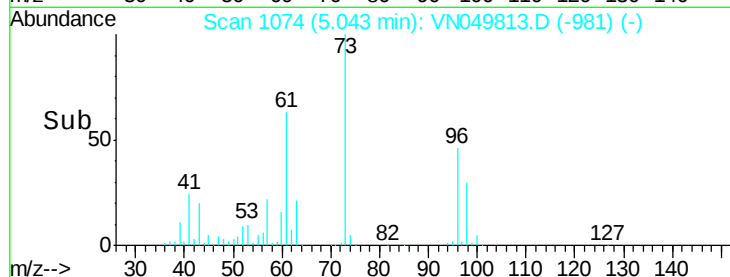
96 100

61 137.9 109.0 163.6

98 65.0 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049813.D (-981) (-)



#22

Diisopropyl ether

Concen: 50.31 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion: 45 Resp: 2068209

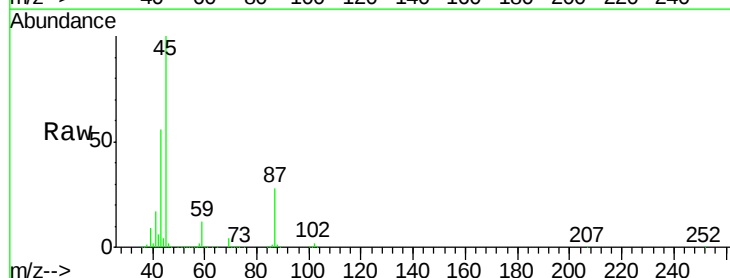
Ion Ratio Lower Upper

45 100

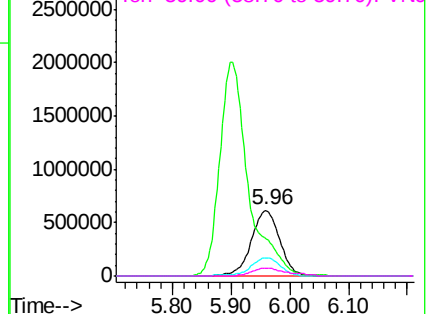
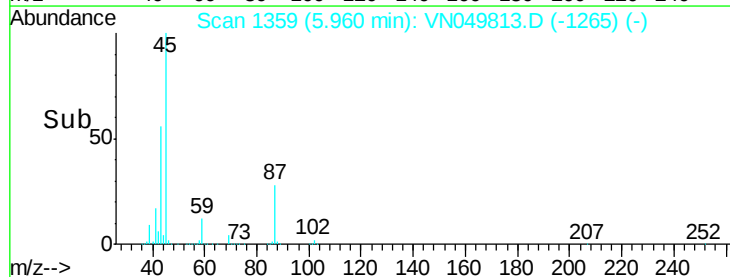
43 55.9 48.1 72.1

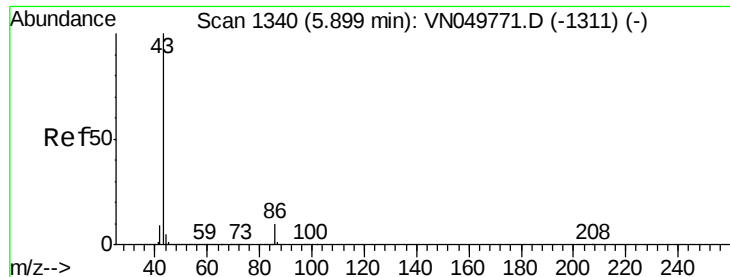
87 27.9 22.6 34.0

59 11.9 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN049813.D (-1265) (-)





#23

Vinyl Acetate

Concen: 246.14 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

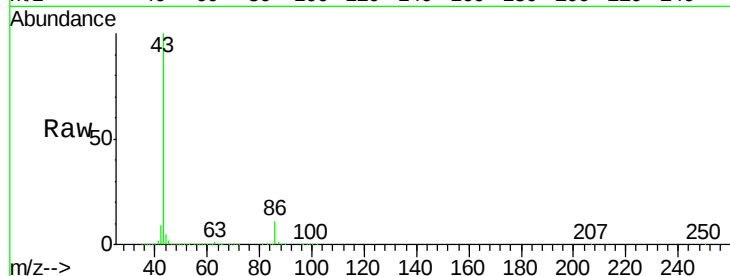
VSTDCCC050

Tot Ion: 43 Resp: 6780444

Ion Ratio Lower Upper

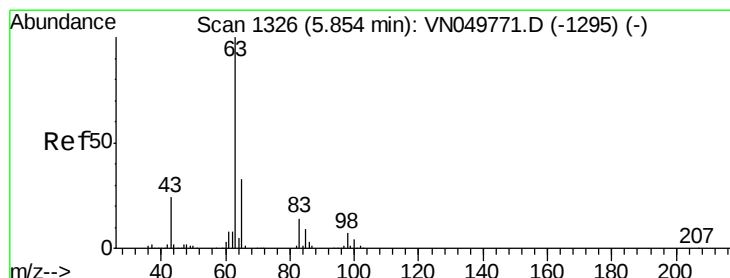
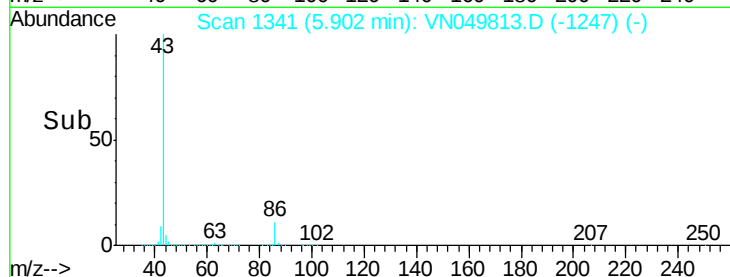
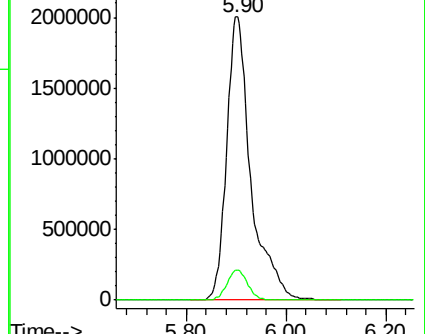
43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049813.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049813.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 46.40 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

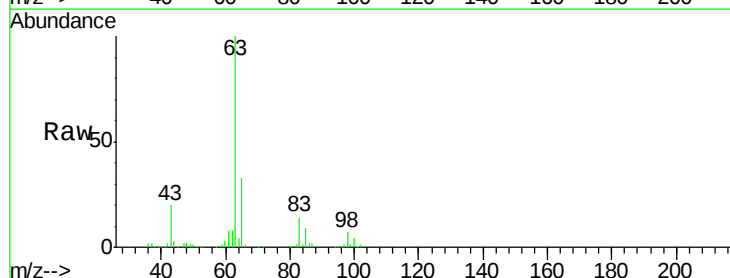
Tgt Ion: 63 Resp: 1198324

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

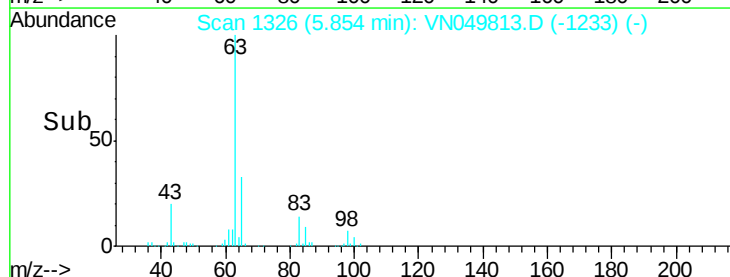
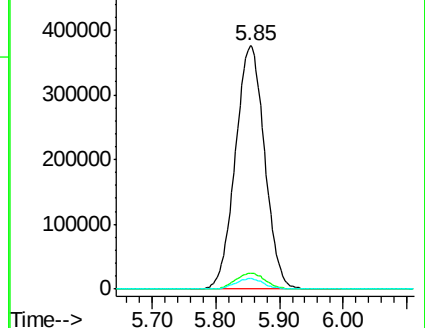
100 4.4 2.2 6.6

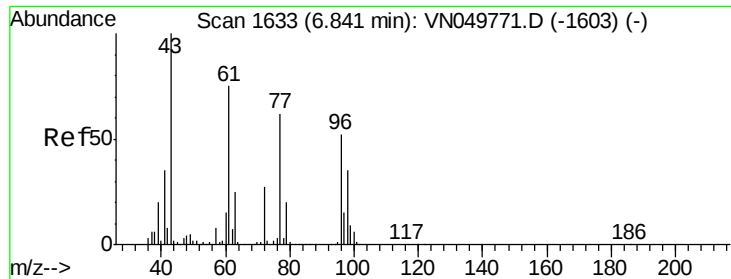


Abundance Ion 62.90 (62.60 to 63.60): VN049813.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN049813.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN049813.D (-1233) (-)





#25

2-Butanone

Concen: 229.46 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

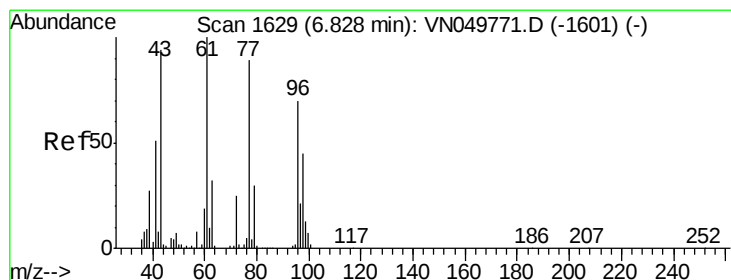
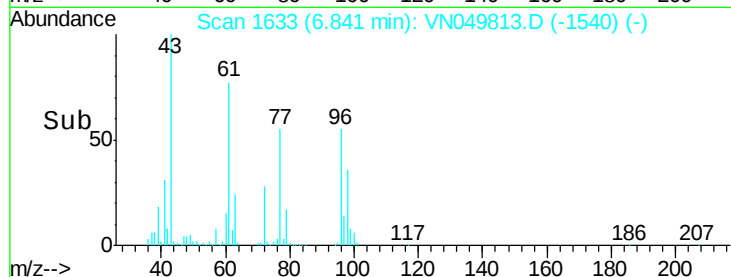
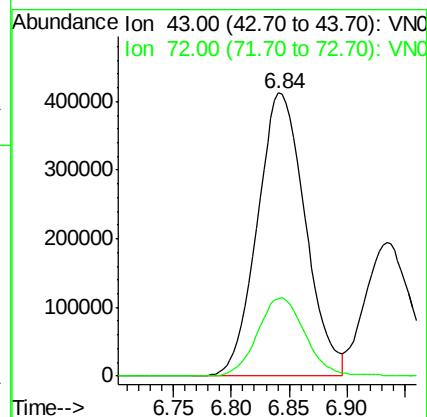
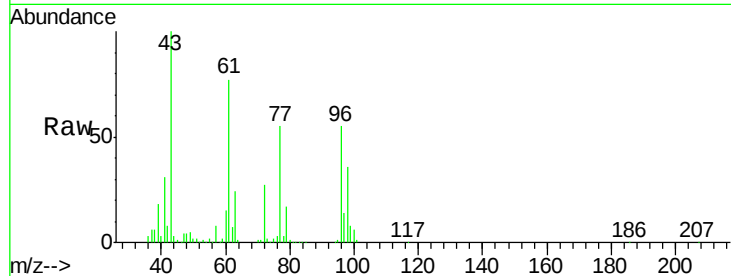
VSTDCCC050

Tot Ion: 43 Resp: 1179530

Ion Ratio Lower Upper

43 100

72 27.5 22.1 33.1



#26

2,2-Dichloropropane

Concen: 39.54 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049813.D

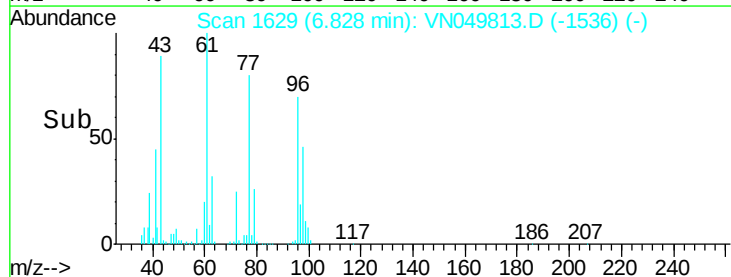
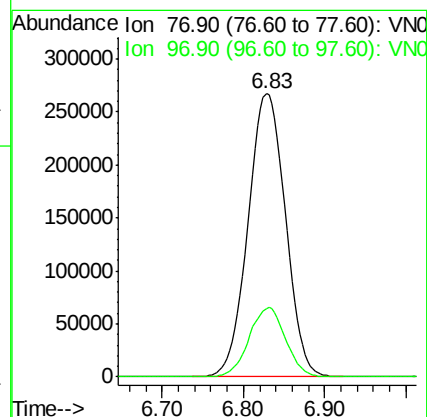
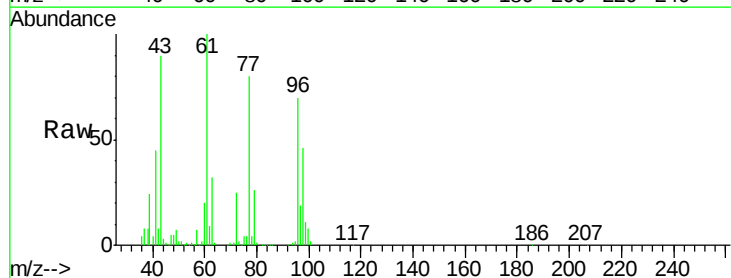
Acq: 13 Jul 2018 22:38

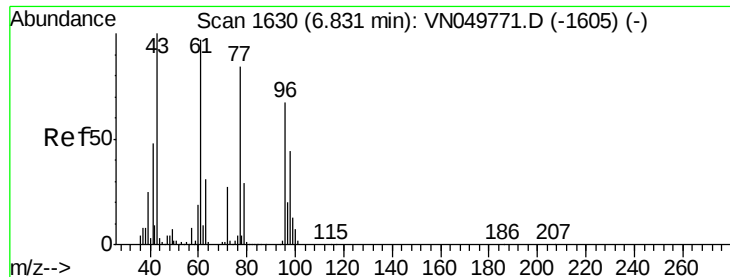
Tgt Ion: 77 Resp: 847477

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.44 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

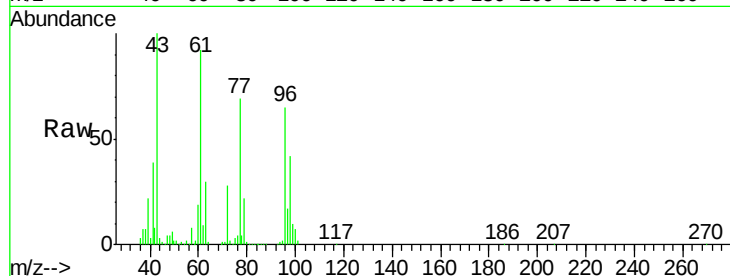
Tot Ion: 96 Resp: 711914

Ion Ratio Lower Upper

96 100

61 141.6 0.0 289.0

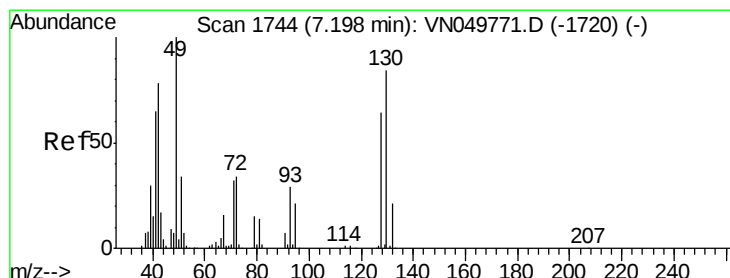
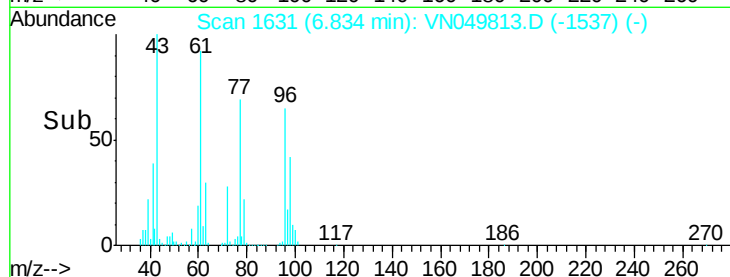
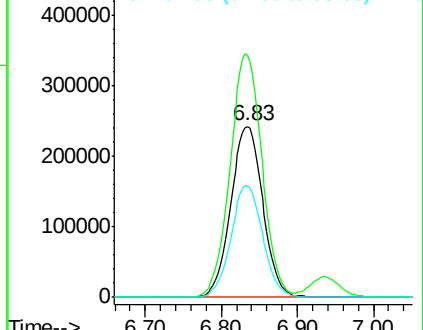
98 64.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN049771.D (-1605) (-)

Ion 60.90 (60.60 to 61.60): VN049771.D (-1605) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1605) (-)



#28

Bromochloromethane

Concen: 49.04 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

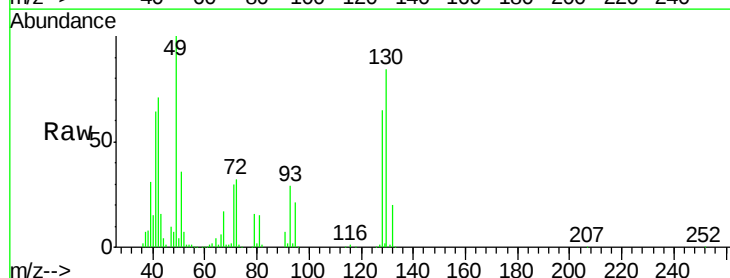
Tgt Ion: 49 Resp: 575964

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

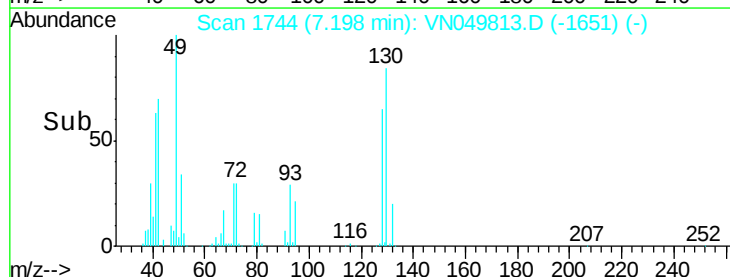
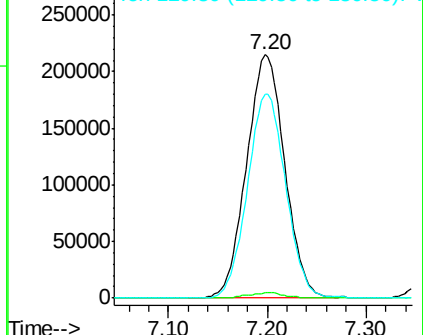
130 84.1 65.5 98.3

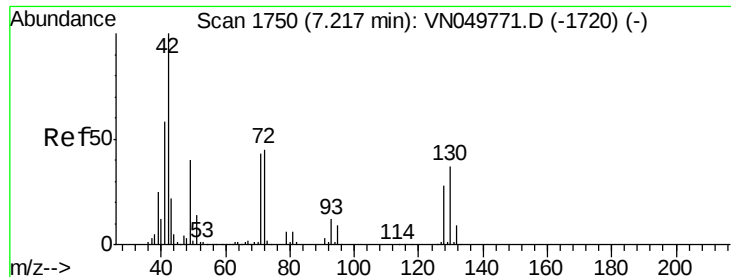


Abundance Ion 48.90 (48.60 to 49.60): VN049771.D (-1720) (-)

Ion 128.80 (128.50 to 129.50): VN049771.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049771.D (-1720) (-)

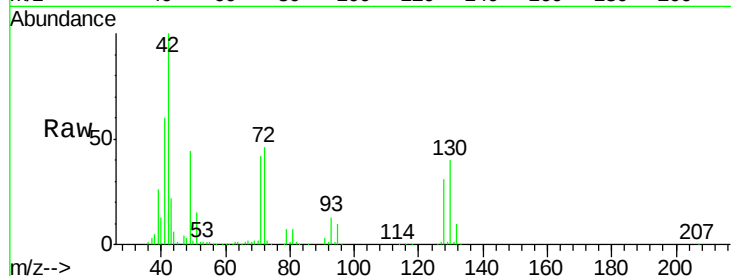




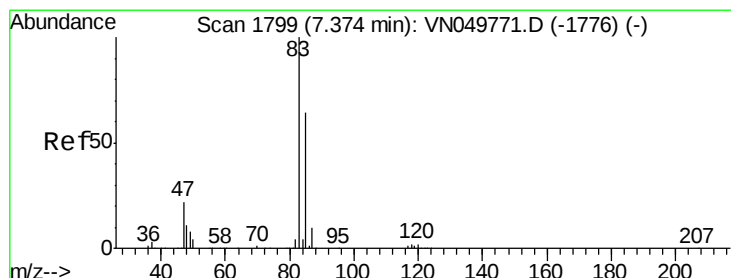
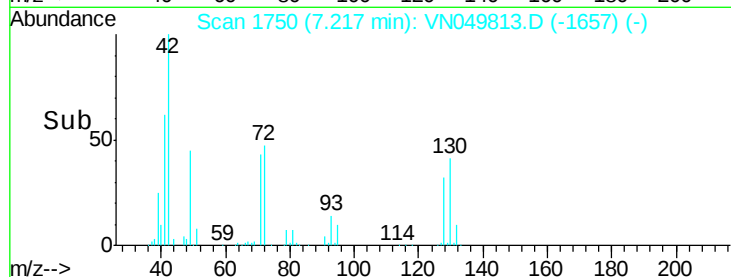
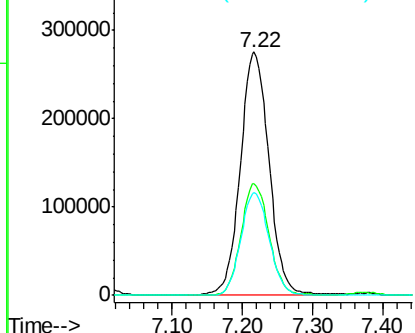
#29
Tetrahydrofuran
Concen: 240.75 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 777133
Ion Ratio Lower Upper
42 100
72 44.8 35.6 53.4
71 41.8 34.0 51.0

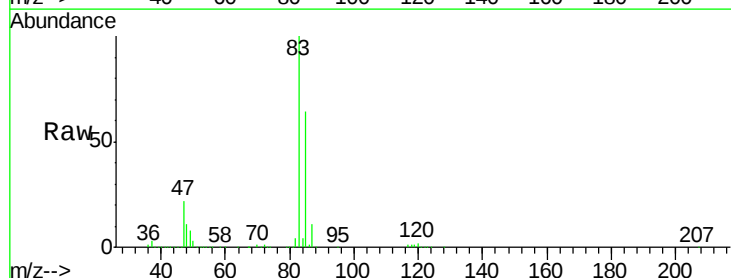


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

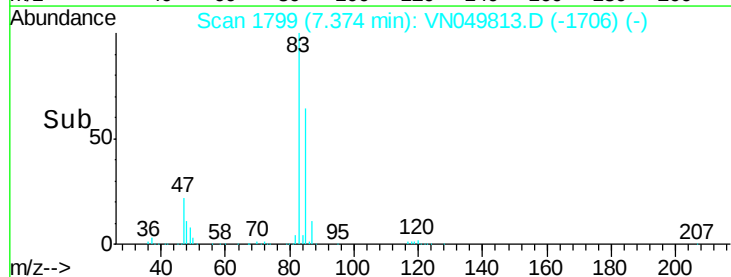
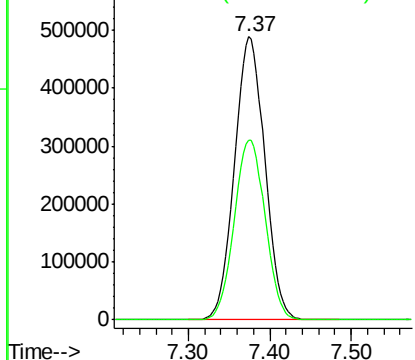


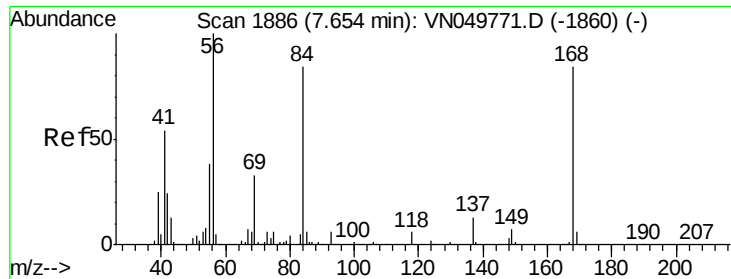
#30
Chloroform
Concen: 47.41 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 83 Resp: 1261535
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.15 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

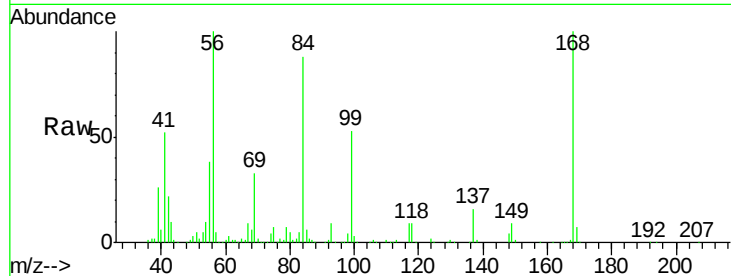
Tot Ion: 56 Resp: 948900

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

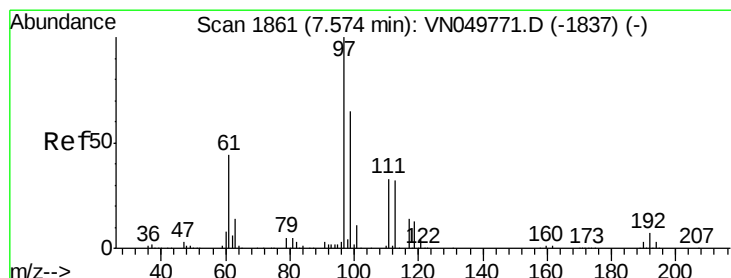
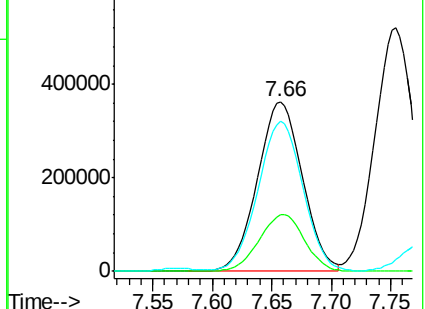
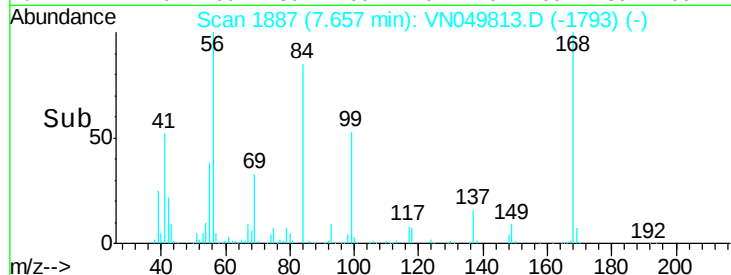
84 86.5 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049813.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049813.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049813.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 47.18 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

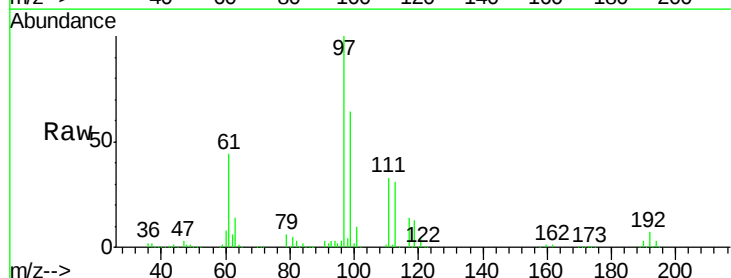
Tgt Ion: 97 Resp: 1066226

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

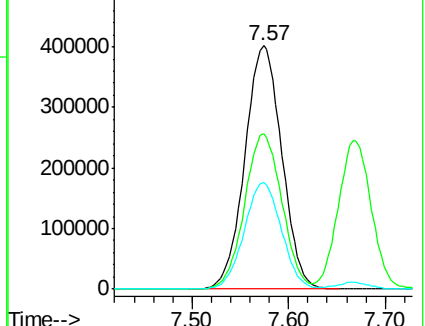
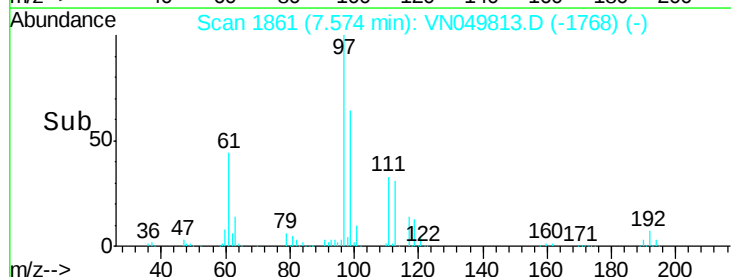
61 44.0 35.5 53.3

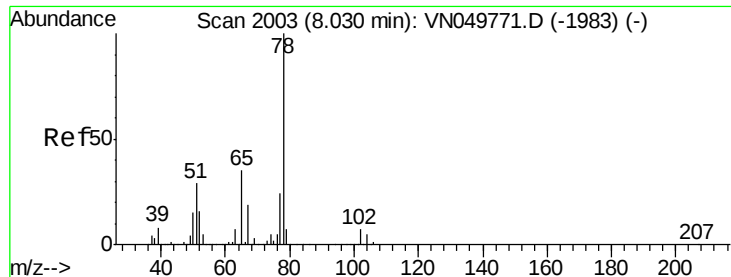


Abundance Ion 96.90 (96.60 to 97.60): VN049813.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049813.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049813.D (-1768) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.85 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

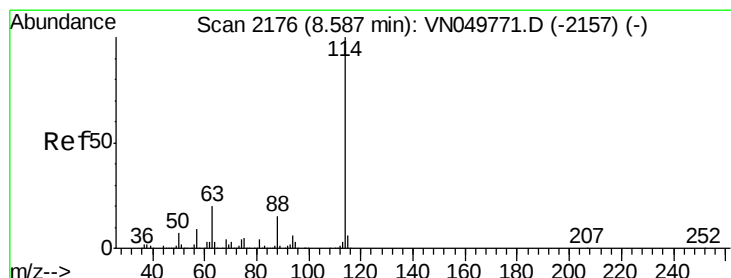
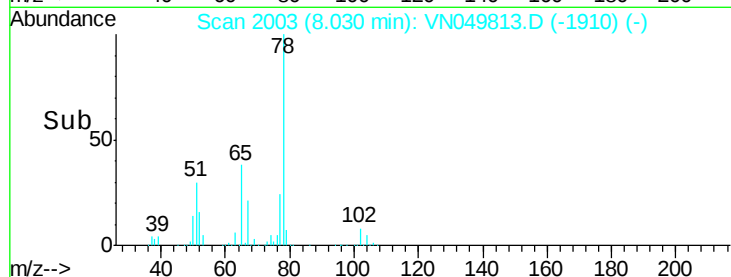
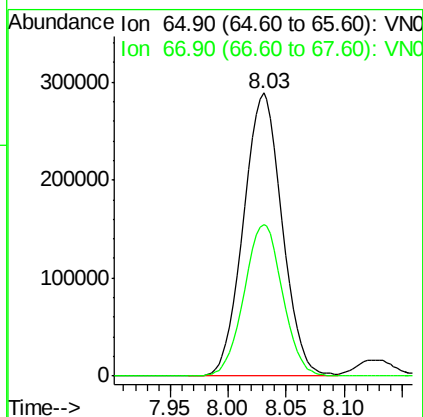
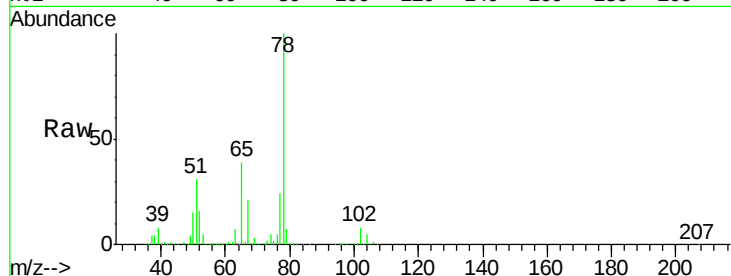
VSTDCCC050

Tot Ion: 65 Resp: 670755

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

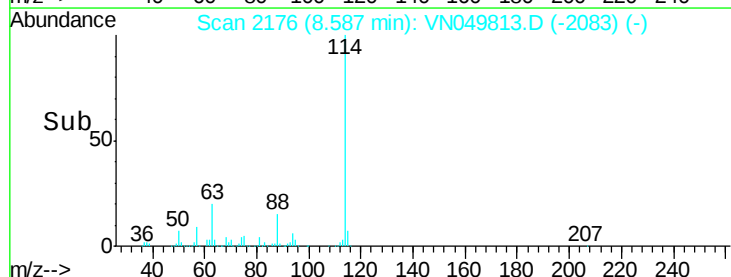
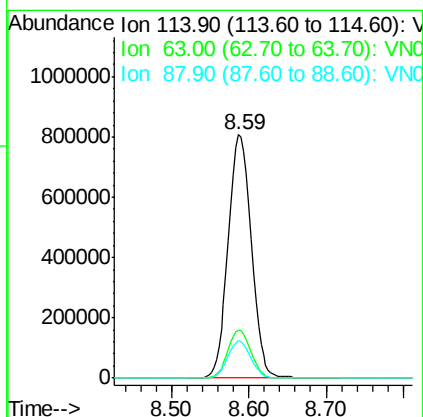
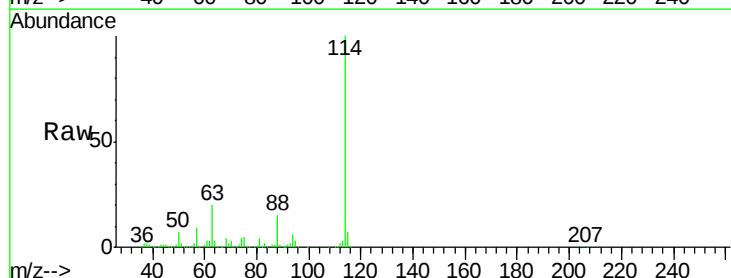
Tgt Ion: 114 Resp: 1671772

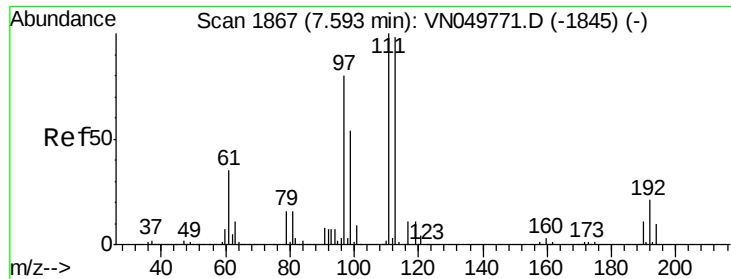
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.2 0.0 30.6

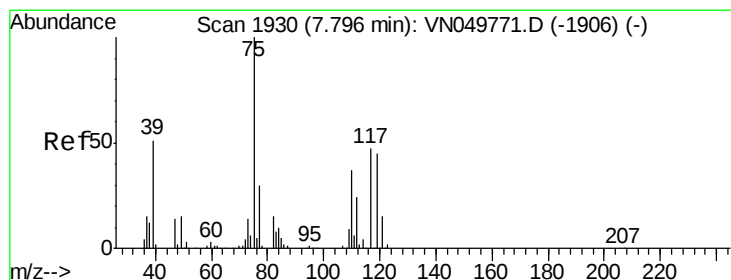
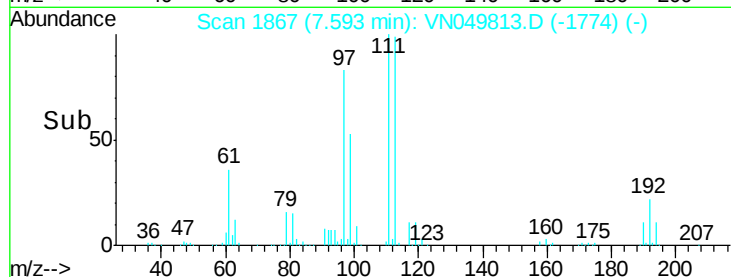
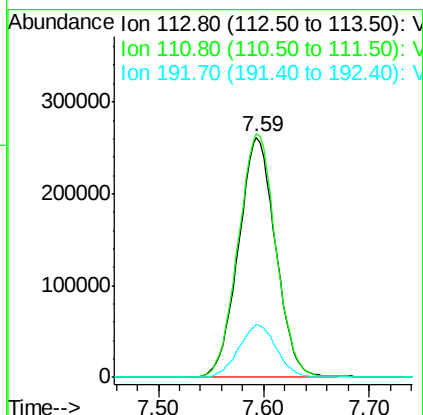
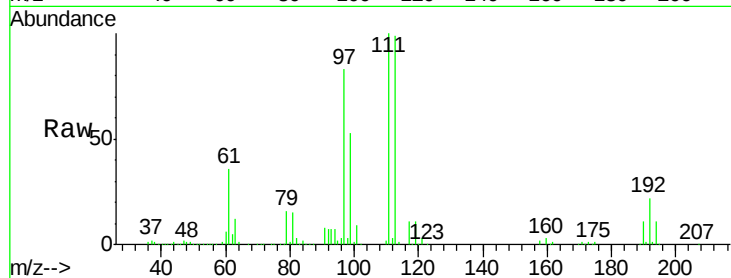




#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

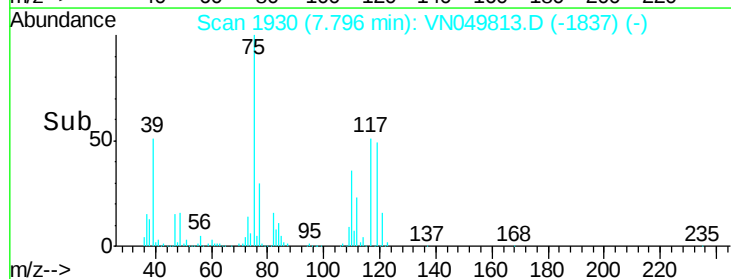
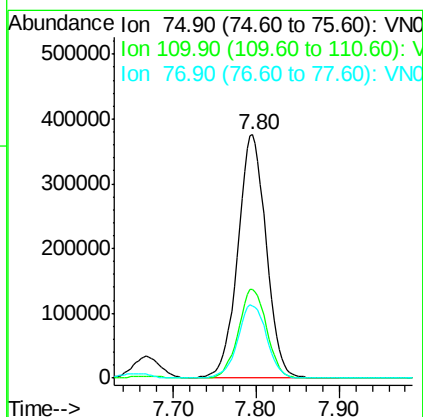
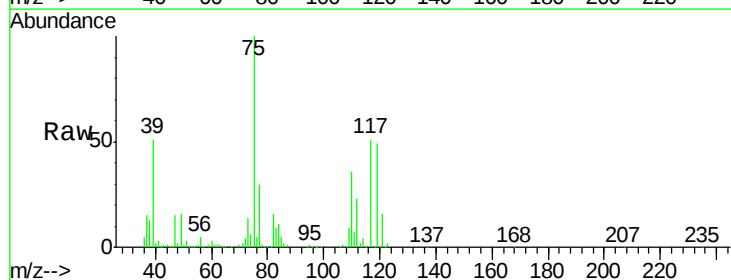
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

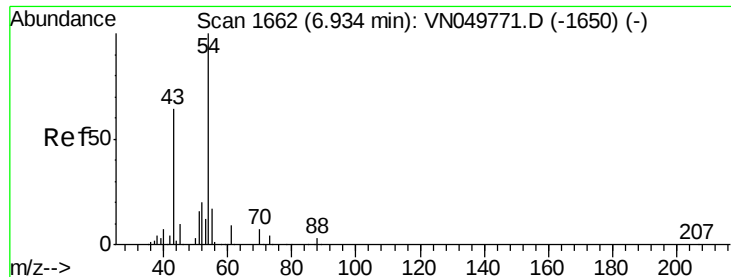
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 46.22 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	30.9	24.9	37.3

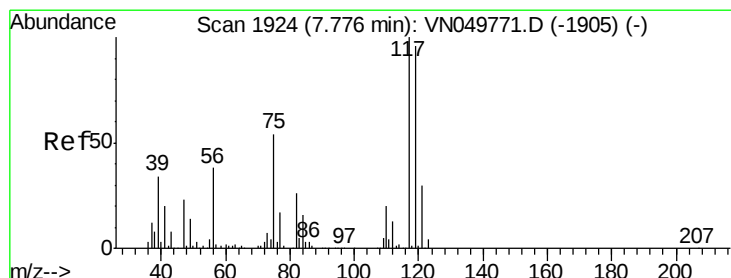
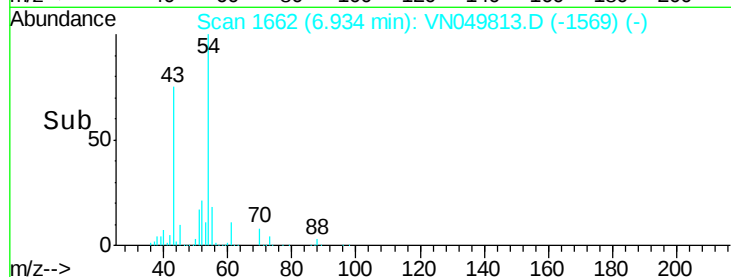
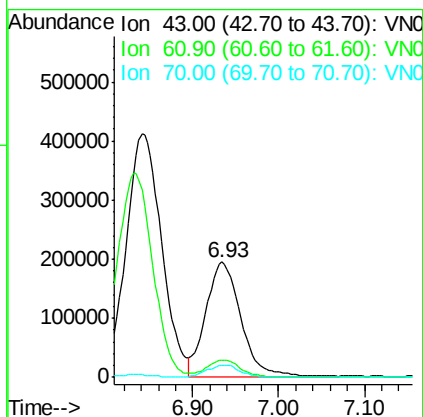
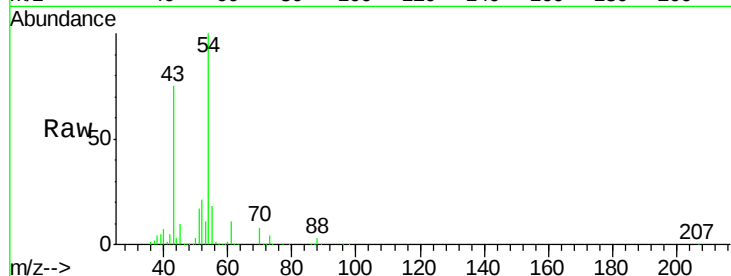




#37
Ethyl Acetate
Concen: 48.11 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

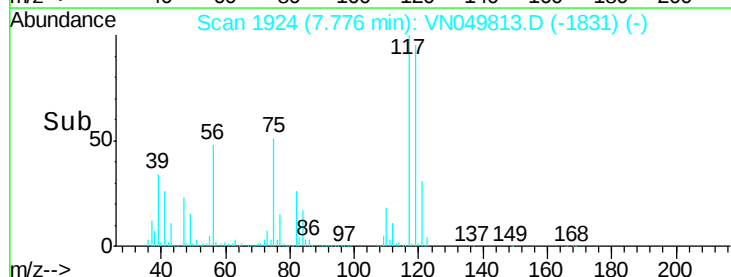
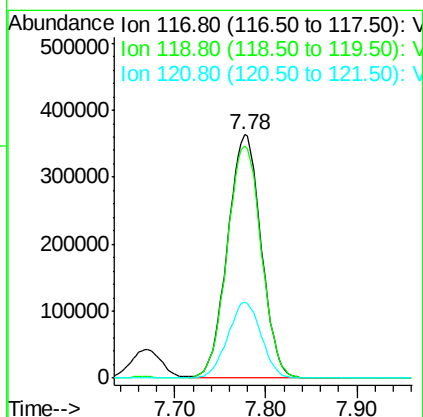
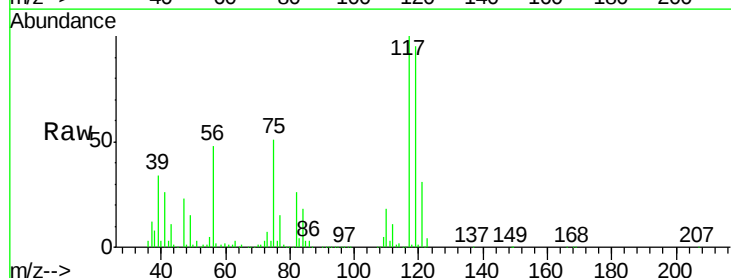
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

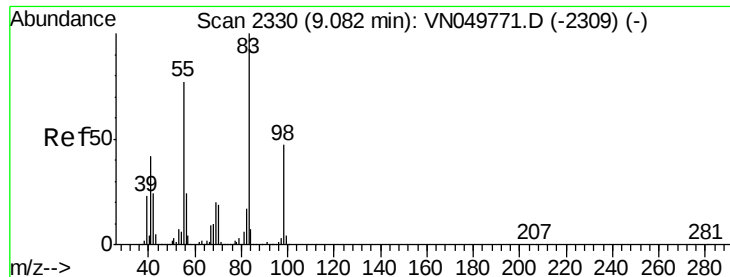
Tot Ion: 43 Resp: 548613
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 117 Resp: 930166
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 31.3 25.0 37.6

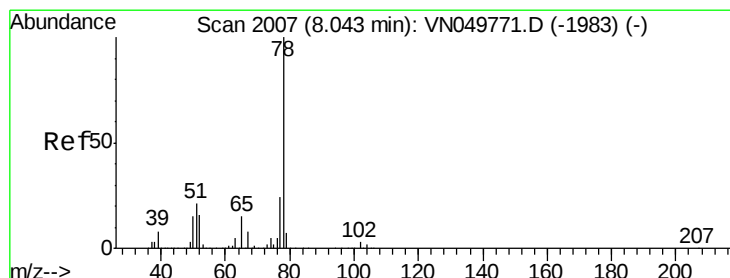
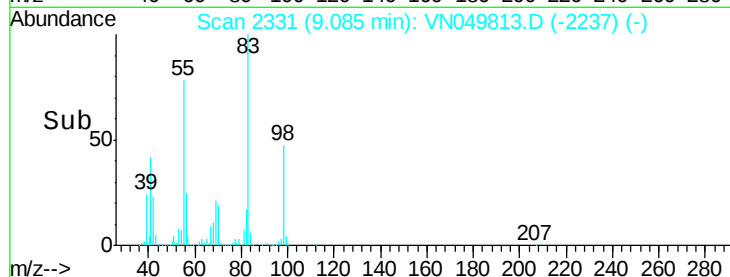
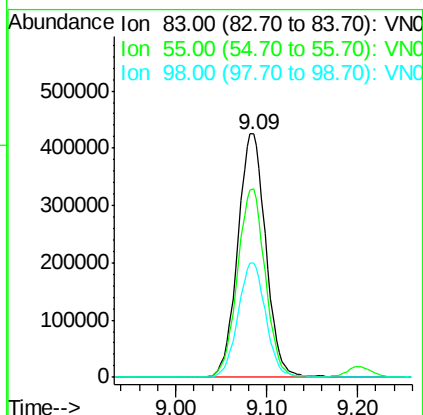
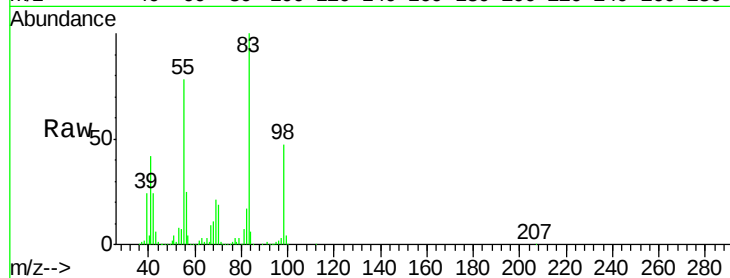




#39
Methvlcvclohexane
Concen: 44.77 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

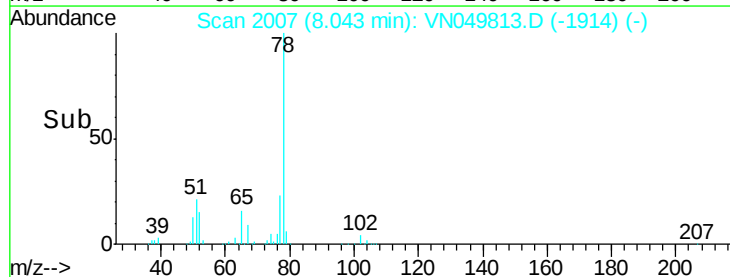
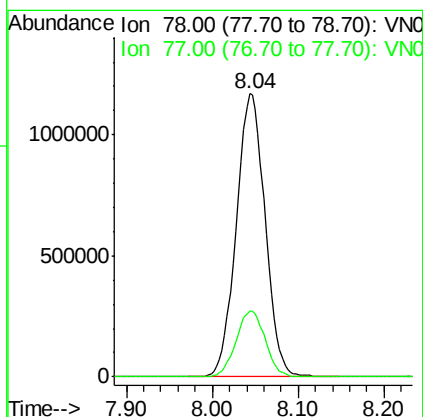
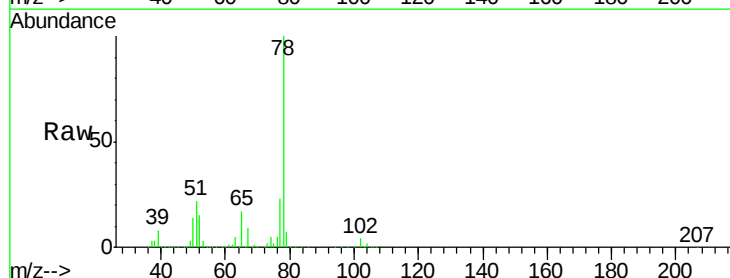
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

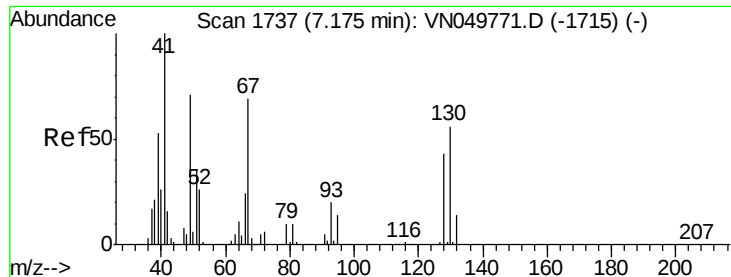
Tot Ion: 83 Resp: 909116
Ion Ratio Lower Upper
83 100
55 77.6 59.7 89.5
98 47.2 36.5 54.7



#40
Benzene
Concen: 47.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 78 Resp: 2722800
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

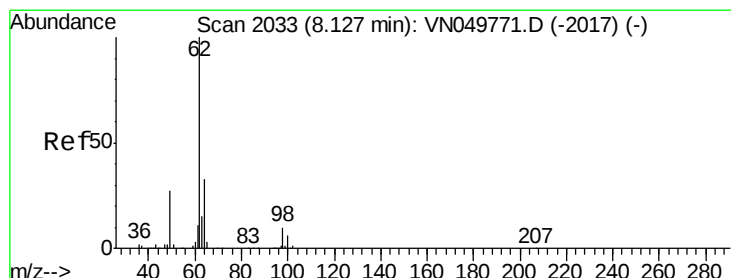
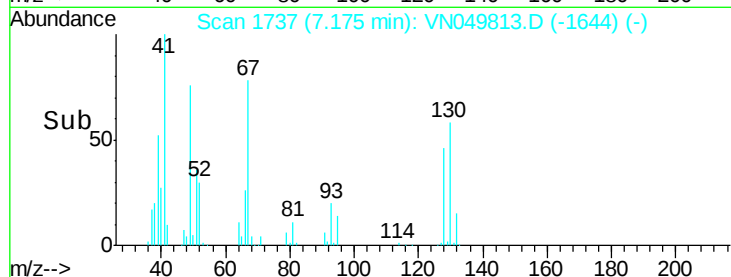
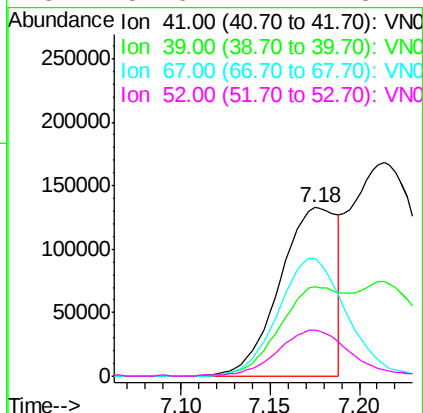
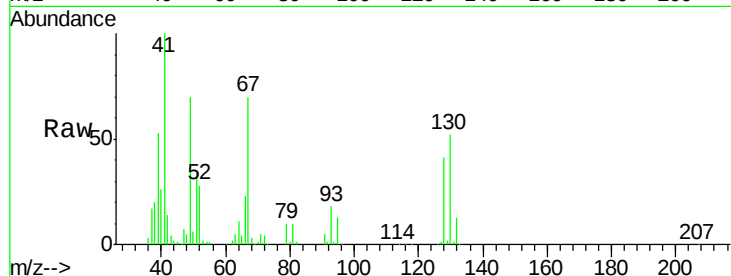




#41
Methacrylonitrile
Concen: 45.46 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

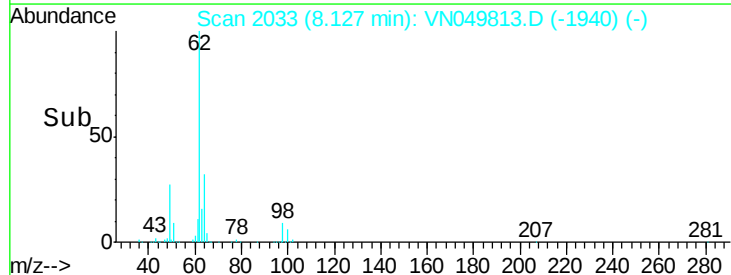
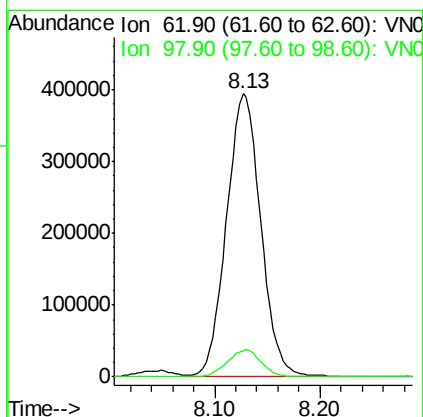
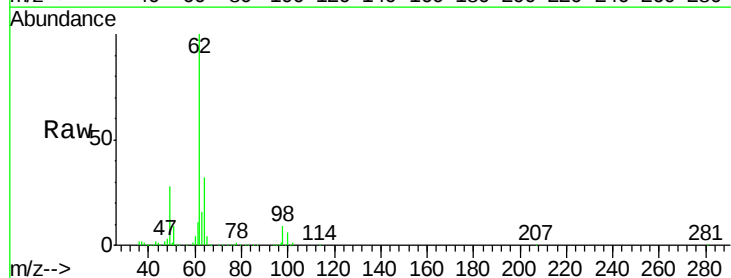
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

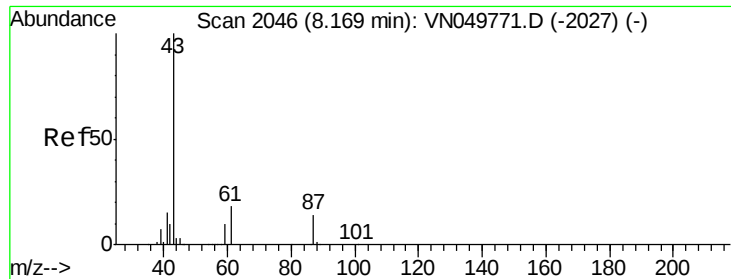
Tot Ion: 41 Resp: 293211
Ion Ratio Lower Upper
41 100
39 56.9 45.4 68.2
67 85.2 65.4 98.0
52 34.6 24.7 37.1



#42
1,2-Dichloroethane
Concen: 46.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 62 Resp: 882925
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.0



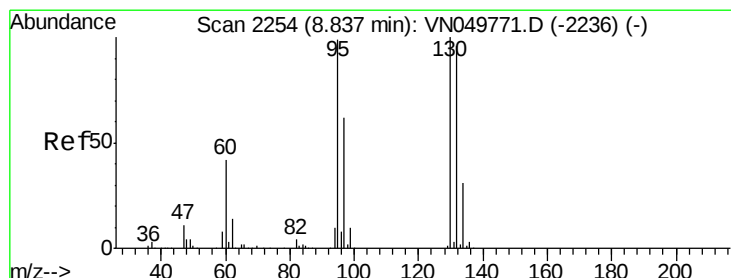
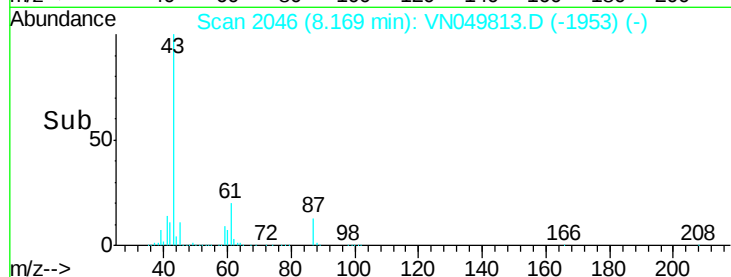
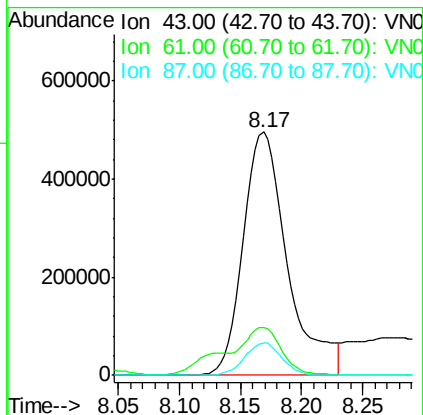
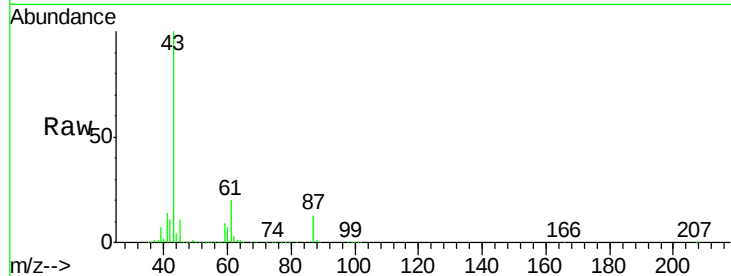


#43

Isopropyl Acetate
 Concen: 60.69 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

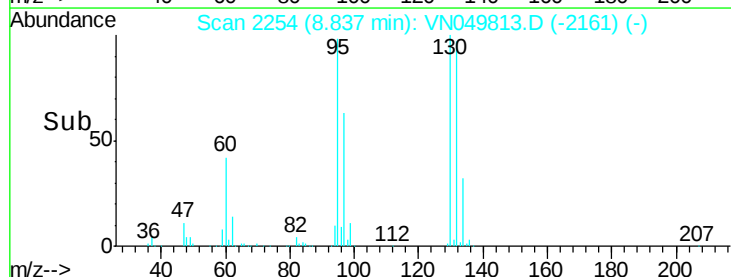
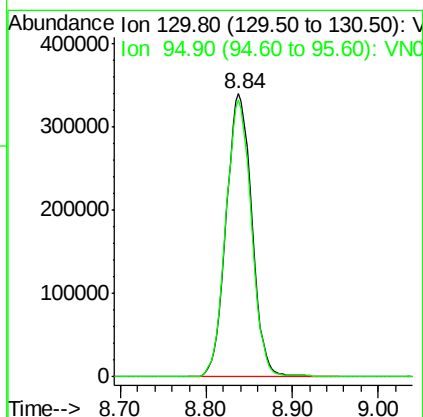
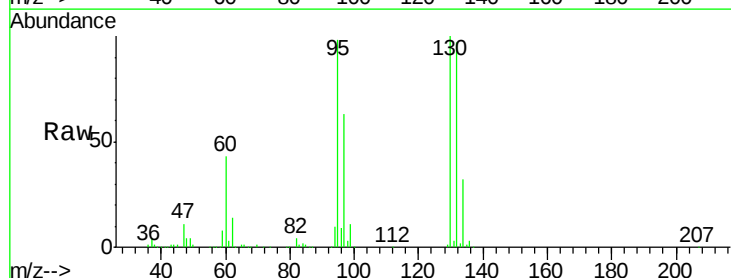
Tot Ion: 43 Resp: 1243994
 Ion Ratio Lower Upper
 43 100
 61 16.6 14.9 22.3
 87 11.2 10.0 15.0

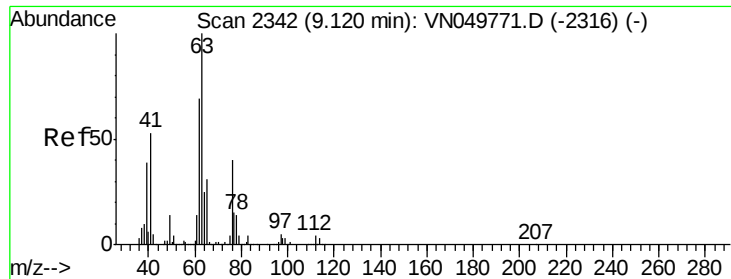


#44

Trichloroethene
 Concen: 45.51 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion: 130 Resp: 706171
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 192.8

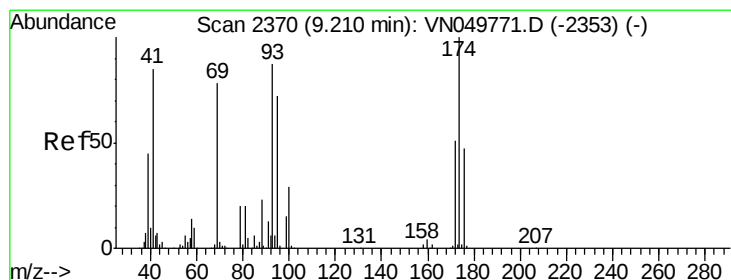
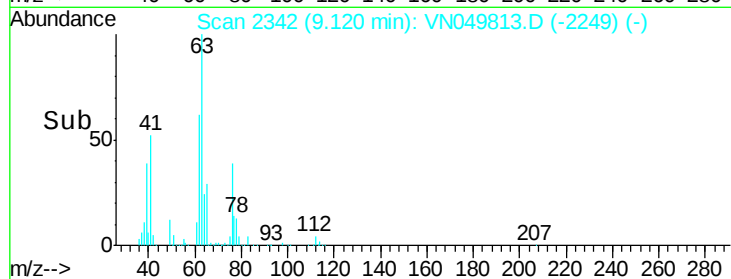
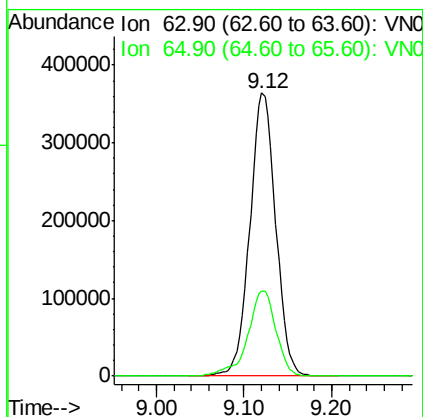
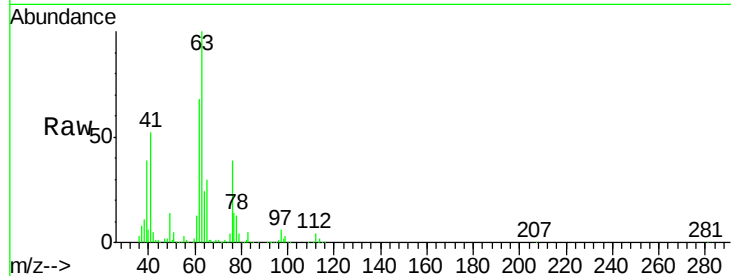




#45
 1,2-Dichloropropane
 Concen: 48.15 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

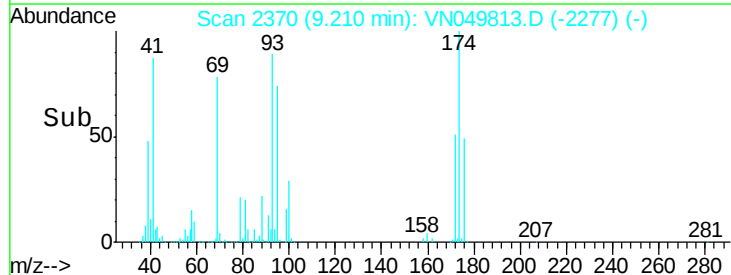
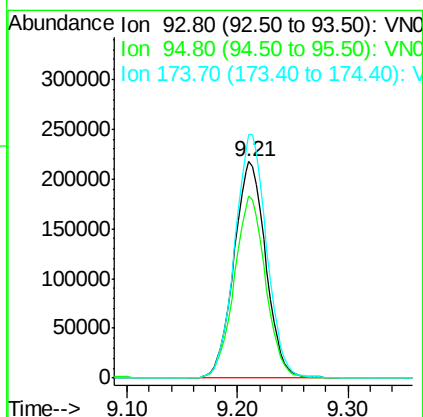
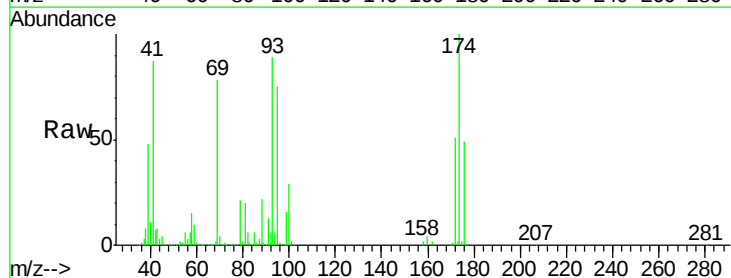
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

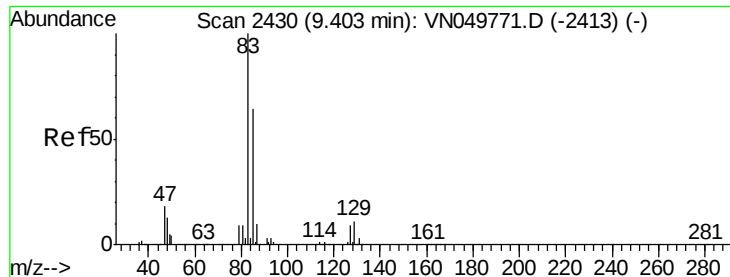
Tot Ion: 63 Resp: 745700
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1



#46
 Dibromomethane
 Concen: 47.43 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion: 93 Resp: 436321
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.9 101.9
 174 112.1 89.4 134.0





#47

Bromodichloromethane

Concen: 48.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

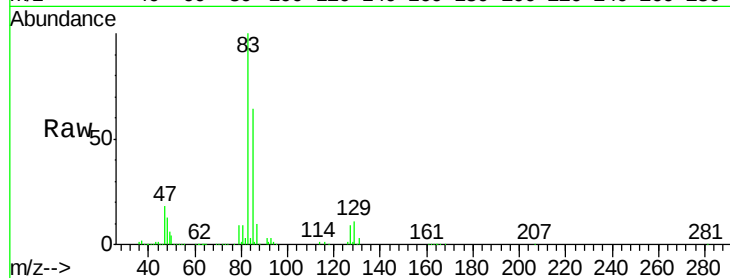
Tot Ion: 83 Resp: 978336

Ion Ratio Lower Upper

83 100

85 63.6 50.5 75.7

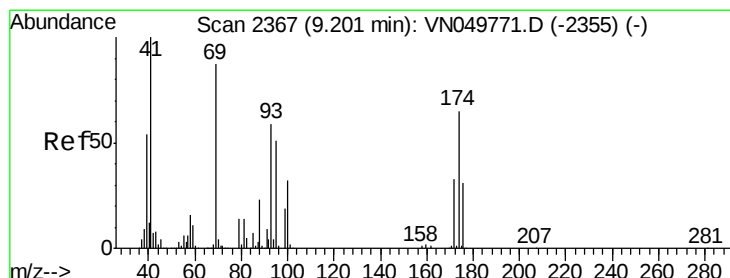
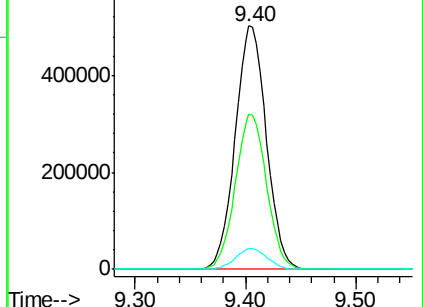
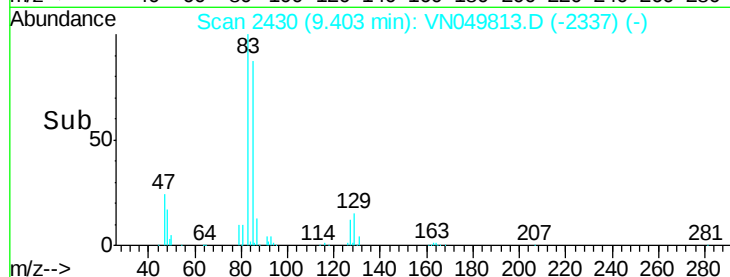
127 8.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049813.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049813.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049813.D (-2337) (-)



#48

Methyl methacrylate

Concen: 47.62 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

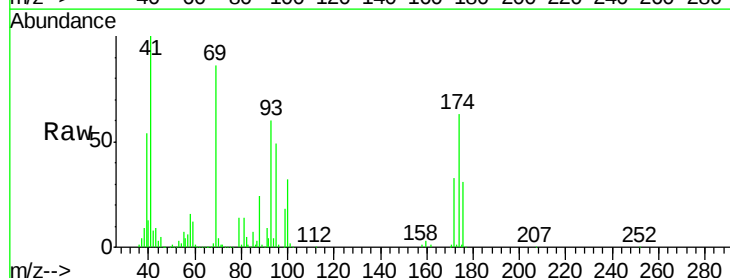
Tgt Ion: 41 Resp: 487969

Ion Ratio Lower Upper

41 100

69 91.0 71.5 107.3

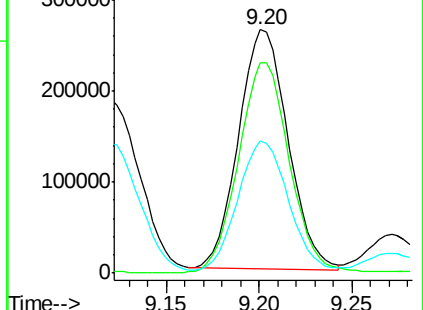
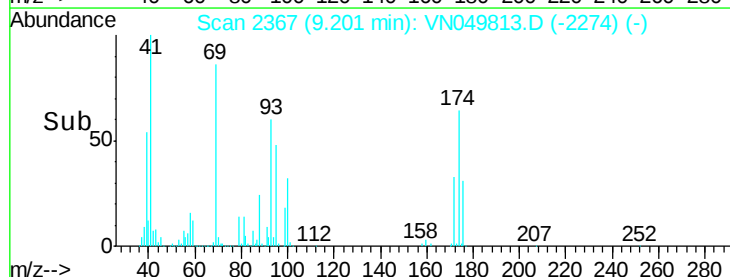
39 57.0 44.7 67.1

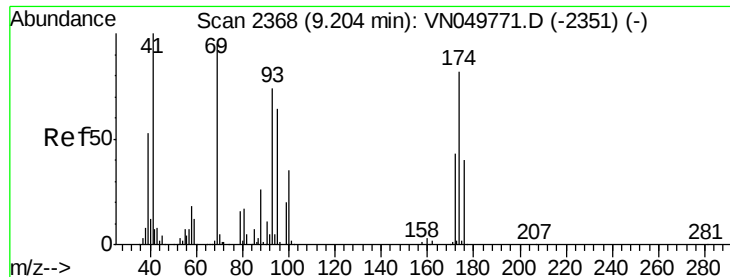


Abundance Ion 41.00 (40.70 to 41.70): VN049813.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049813.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049813.D (-2274) (-)





#49

1,4-Dioxane

Concen: 971.11 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

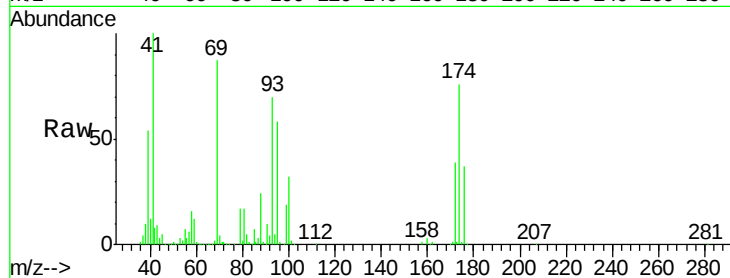
Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 130399

Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.1	37.7
58	68.5	52.5	78.7

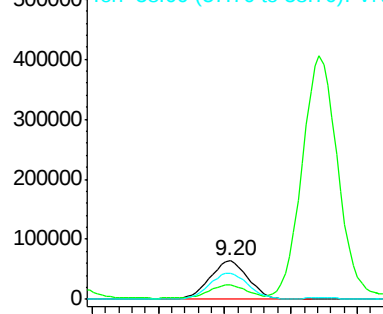


Abundance

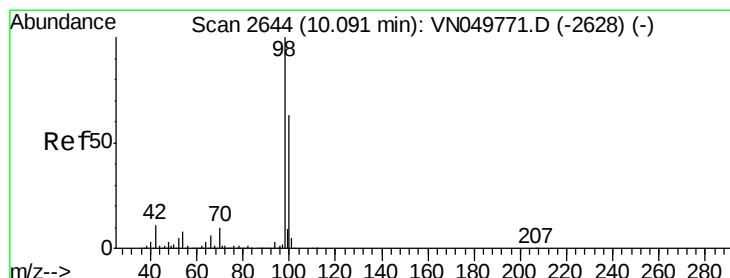
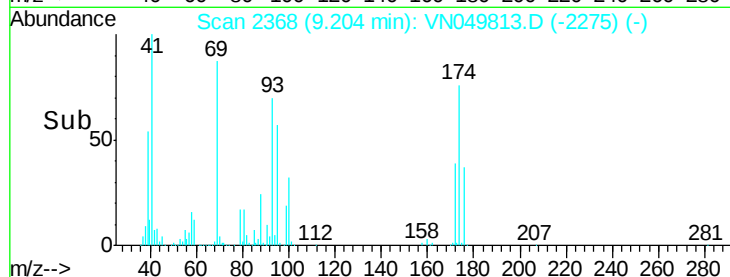
Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 49.55 ug/l

RT: 10.09 min Scan# 2645

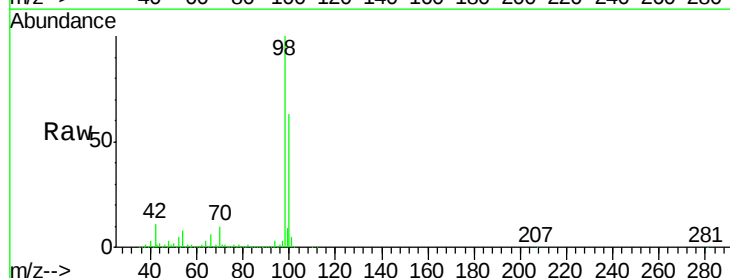
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion: 98 Resp: 2137402

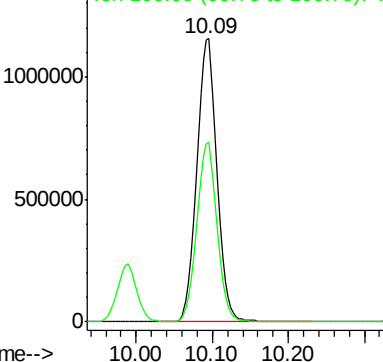
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5



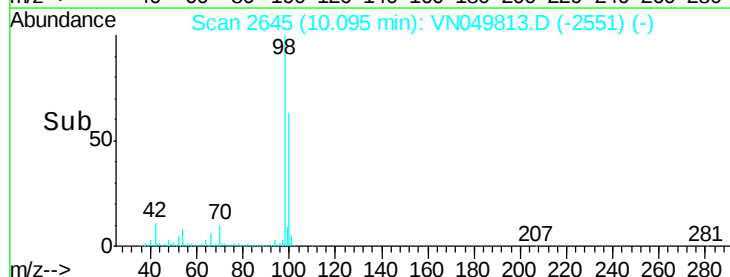
Abundance

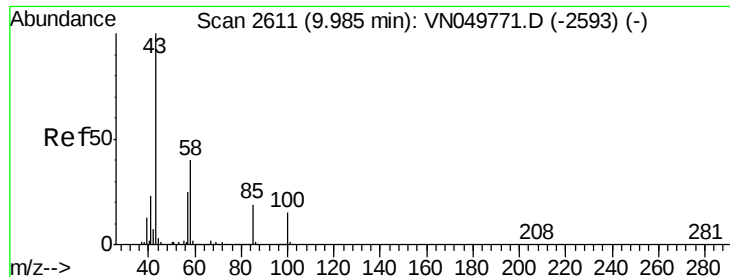
Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->

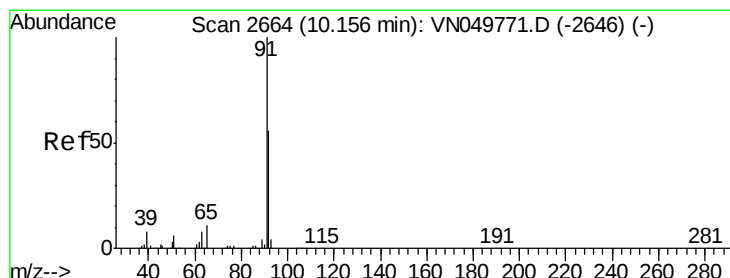
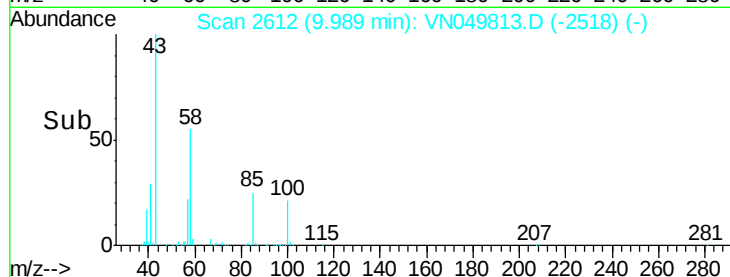
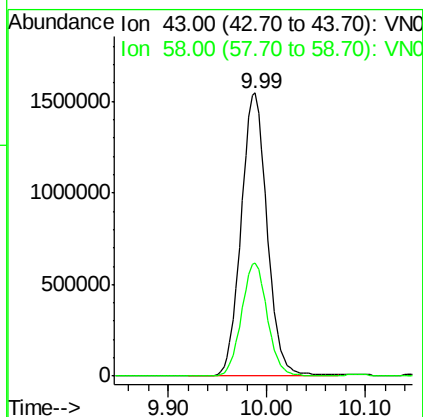
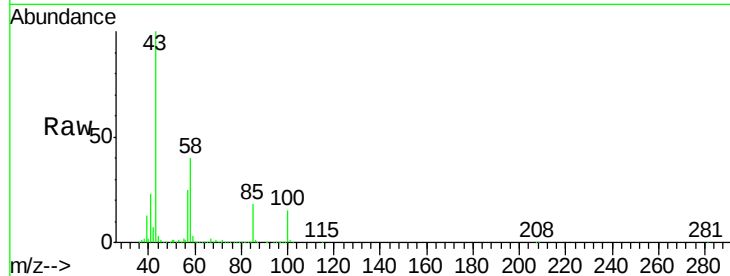




#51
 4-Methyl-2-Pentanone
 Concen: 251.68 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

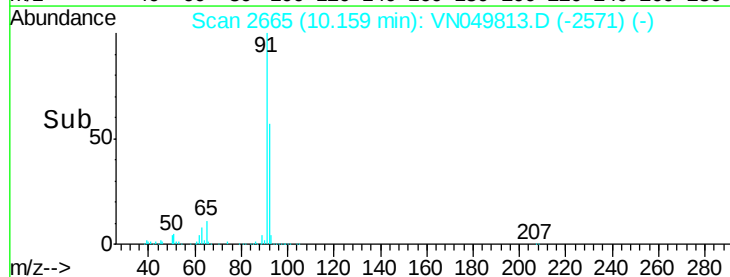
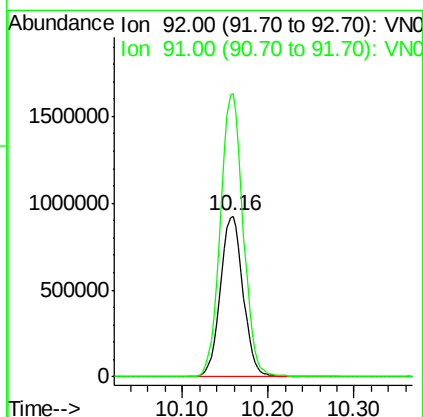
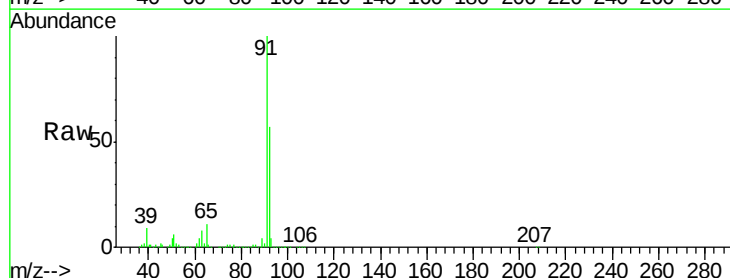
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

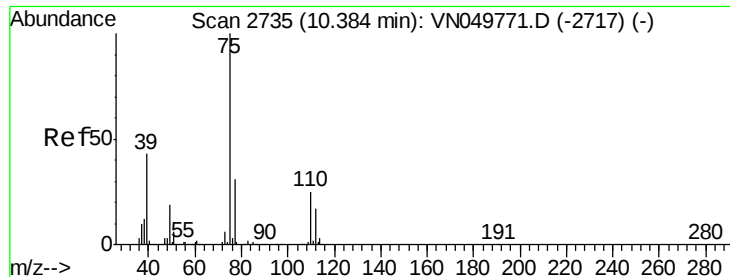
Tot Ion: 43 Resp: 2800905
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.8



#52
 Toluene
 Concen: 49.25 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion: 92 Resp: 1698808
 Ion Ratio Lower Upper
 92 100
 91 177.2 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 47.99 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

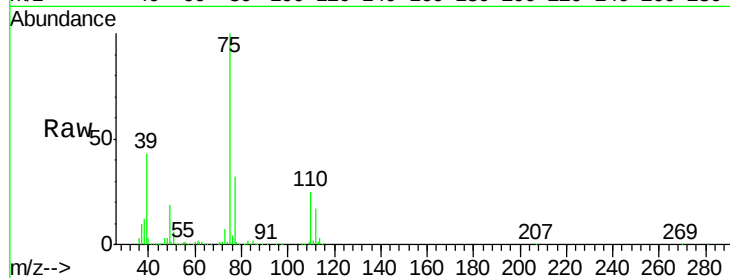
VSTDCCC050

Tot Ion: 75 Resp: 935094

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN049813.D (-2642) (-)

Ion 76.90 (76.60 to 77.60): VN049813.D (-2642) (-)

10.38

500000

400000

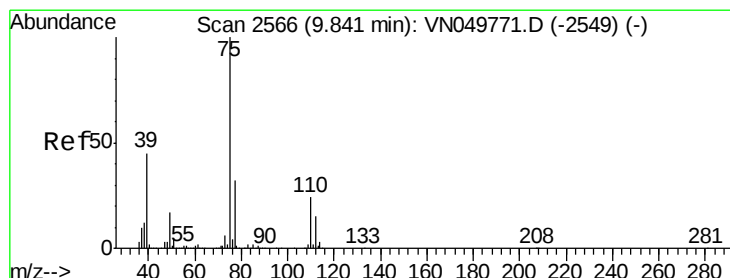
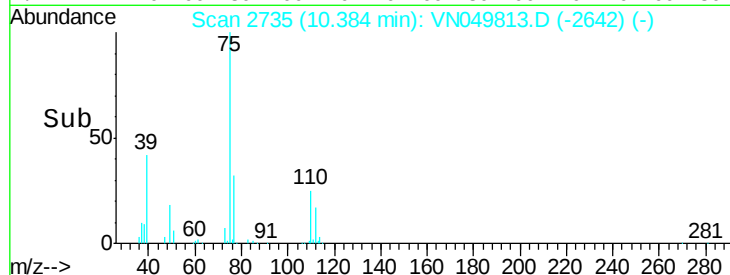
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

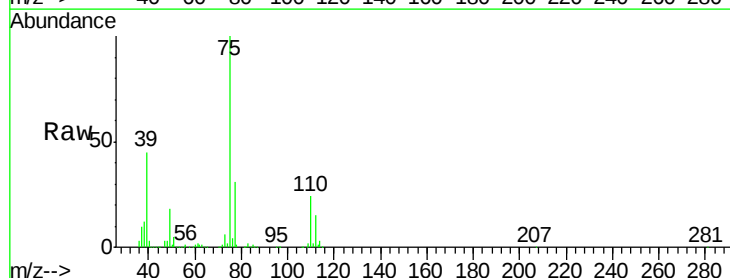
Tgt Ion: 75 Resp: 1079308

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 44.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN049813.D (-2473) (-)

Ion 76.90 (76.60 to 77.60): VN049813.D (-2473) (-)

Ion 39.00 (38.70 to 39.70): VN049813.D (-2473) (-)

9.84

800000

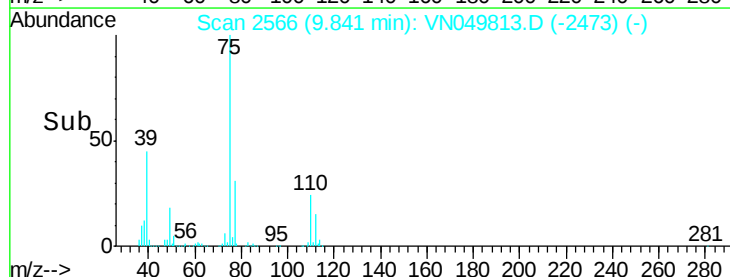
600000

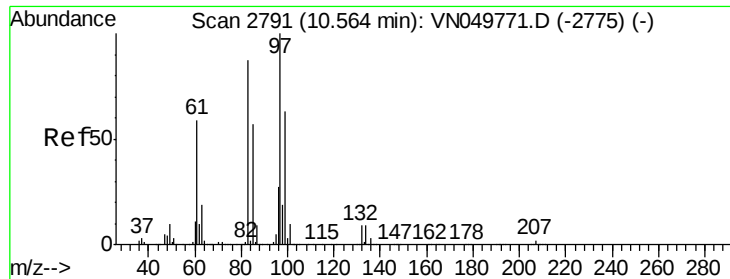
400000

200000

0

Time-->

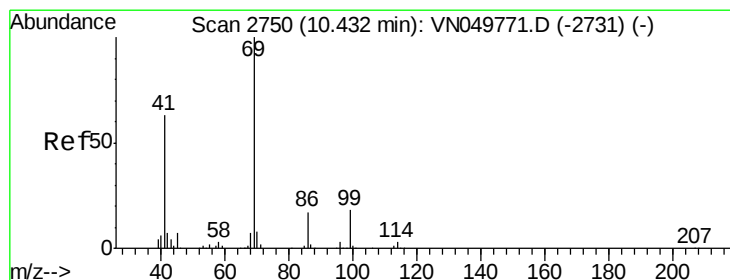
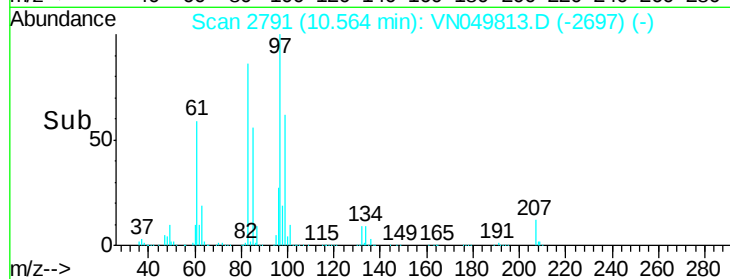
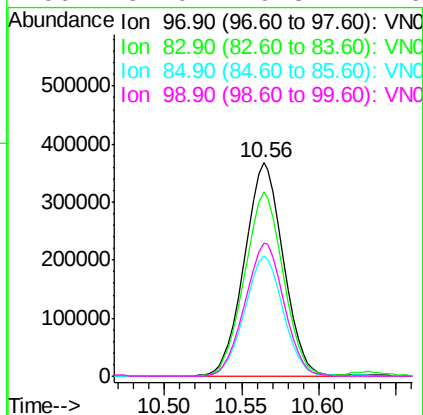
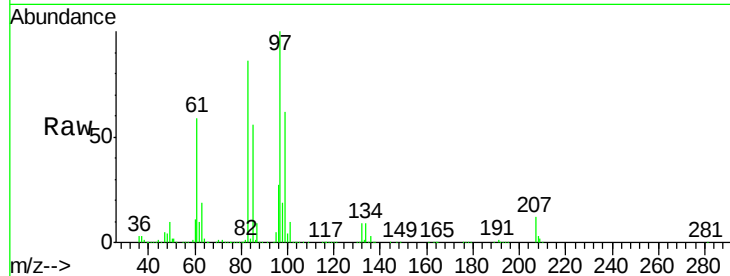




#55
 1,1,2-Trichloroethane
 Concen: 49.47 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

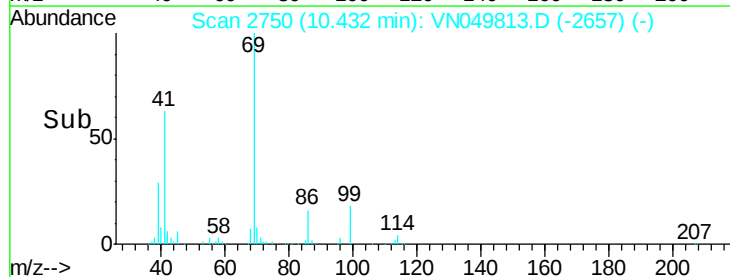
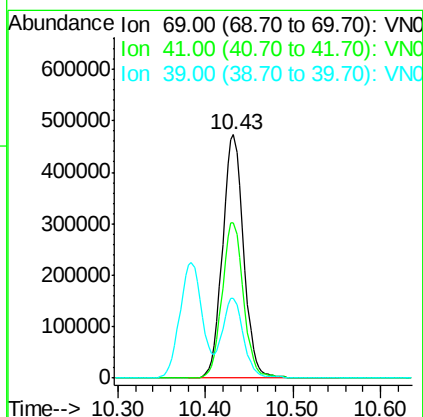
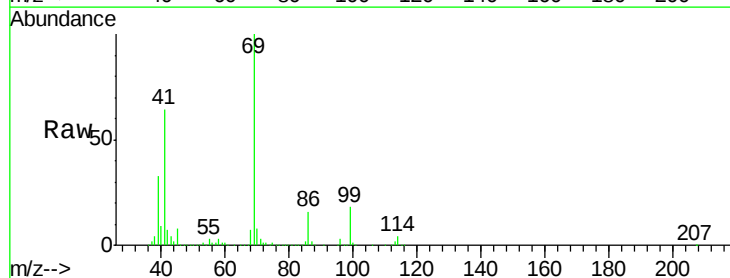
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

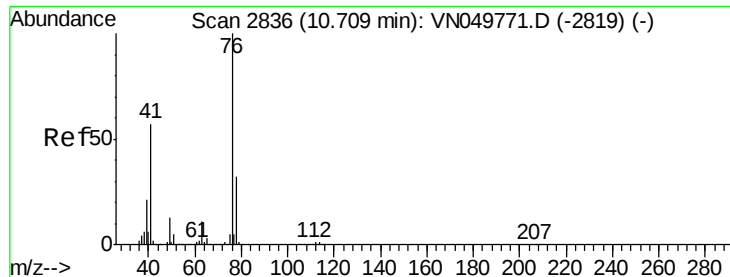
Tot Ion:	97	Resp:	645652
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.6
85	56.2	44.9	67.3
99	62.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 50.79 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion:	69	Resp:	790682
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	32.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 48.58 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

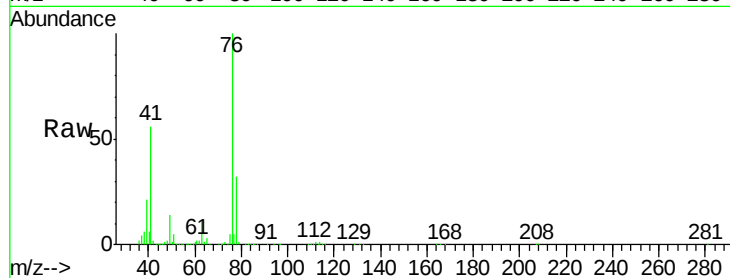
VSTDCCC050

Tot Ion: 76 Resp: 1067599

Ion Ratio Lower Upper

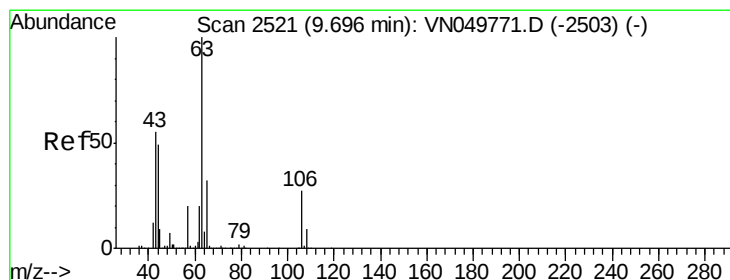
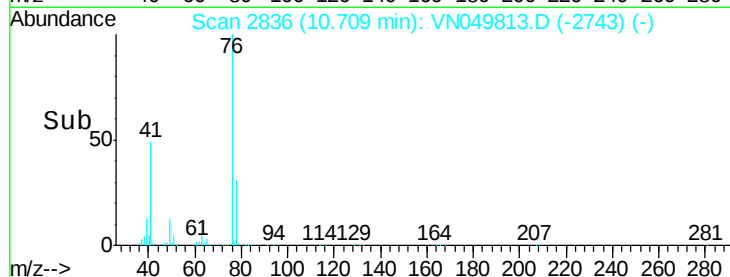
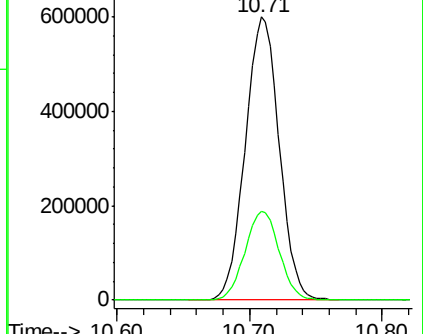
76 100

78 31.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 257.53 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049813.D

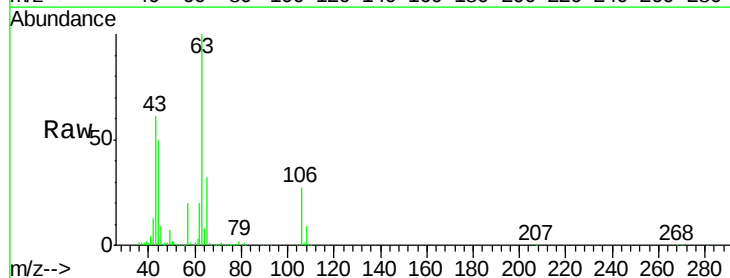
Acq: 13 Jul 2018 22:38

Tgt Ion: 63 Resp: 1922929

Ion Ratio Lower Upper

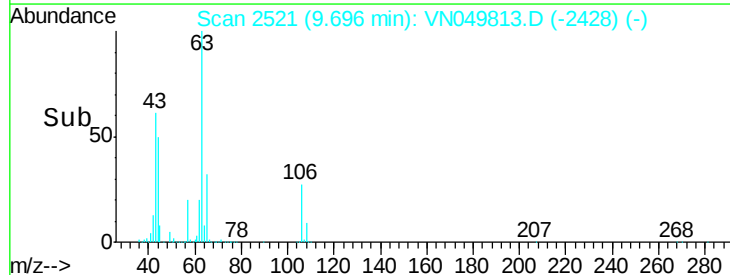
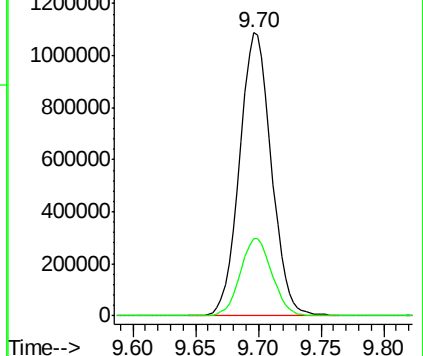
63 100

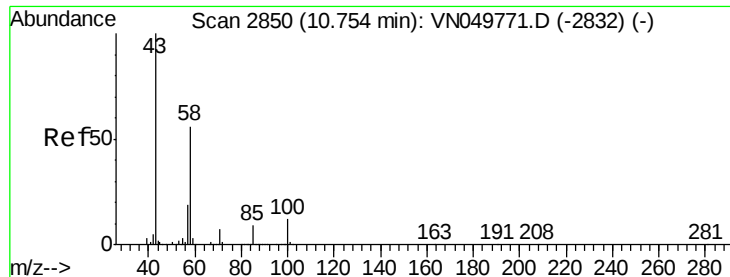
106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 247.54 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

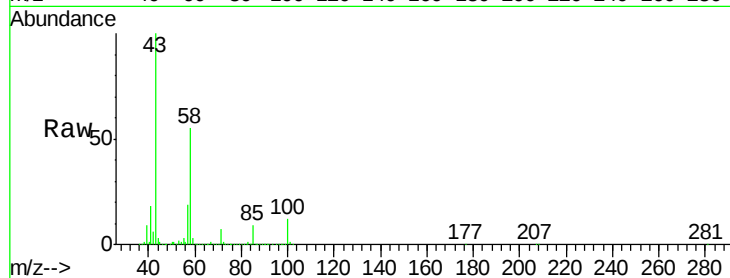
VSTDCCC050

Tot Ion: 43 Resp: 1831380

Ion Ratio Lower Upper

43 100

58 55.2 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049813.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049813.D (-2757) (-)

10.75

1200000

1000000

800000

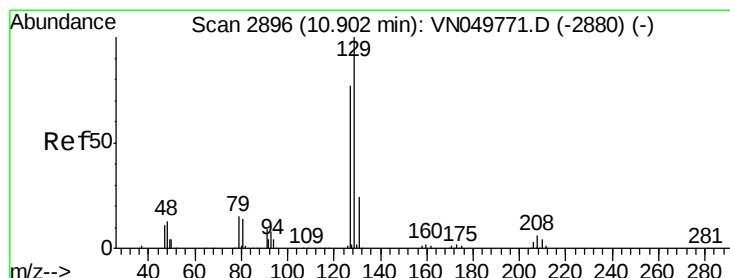
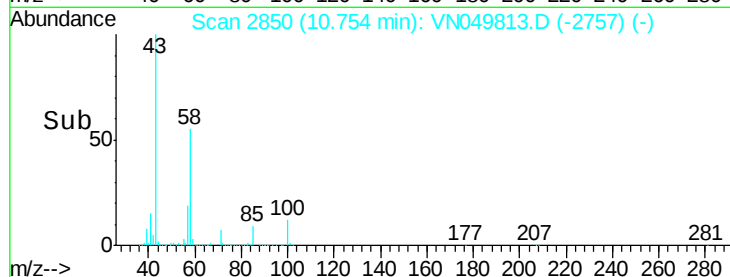
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 49.33 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN049813.D

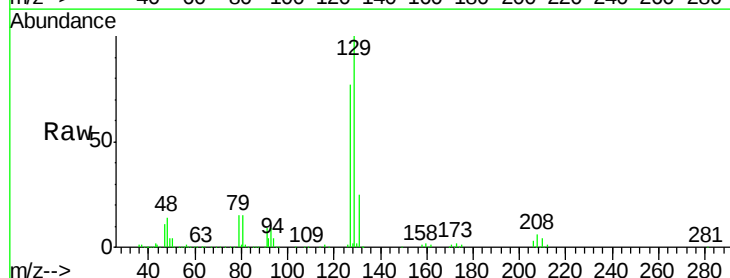
Acq: 13 Jul 2018 22:38

Tgt Ion: 129 Resp: 745419

Ion Ratio Lower Upper

129 100

127 76.8 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN049813.D (-2803) (-)

Ion 126.80 (126.50 to 127.50): VN049813.D (-2803) (-)

10.90

400000

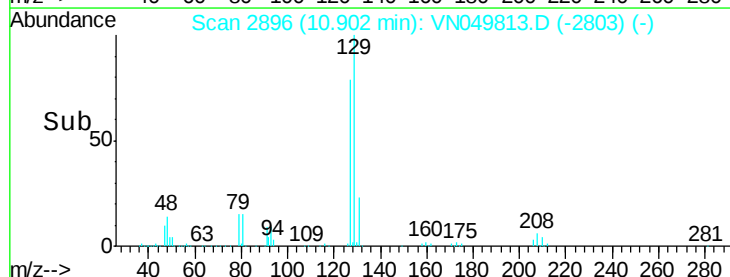
300000

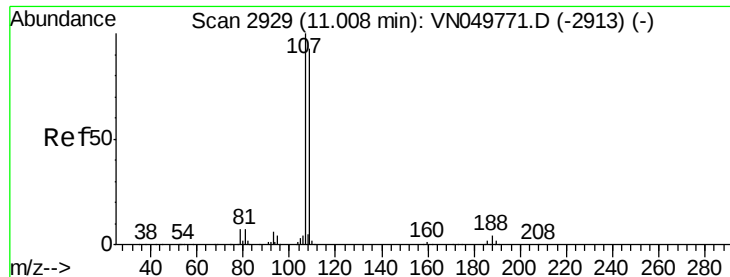
200000

100000

0

Time-->





#61

1,2-Dibromoethane

Concen: 48.55 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

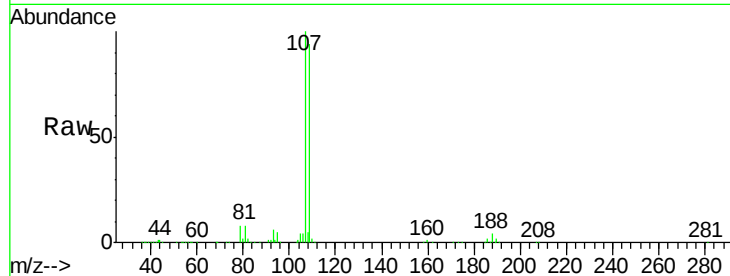
VSTDCCC050

Tot Ion:107 Resp: 609399

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

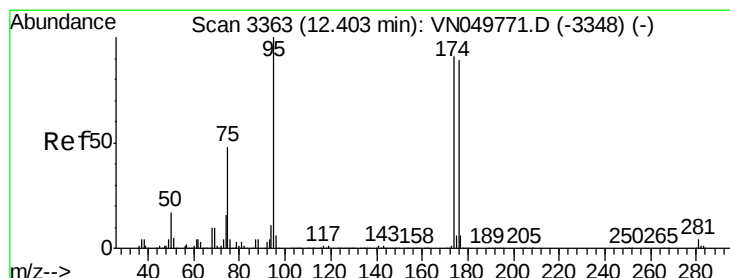
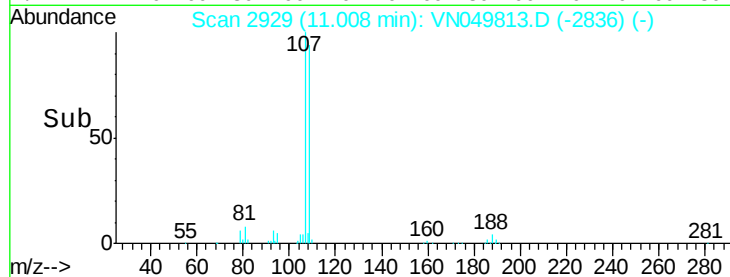
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

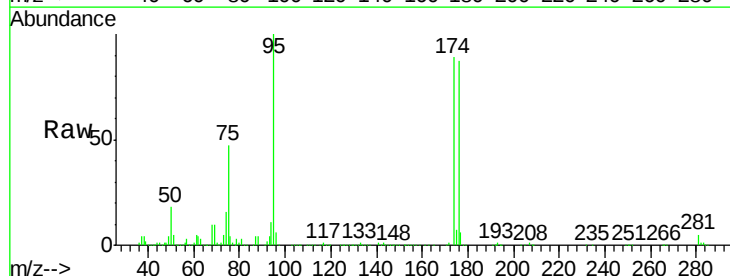
Tgt Ion: 95 Resp: 803102

Ion Ratio Lower Upper

95 100

174 88.8 0.0 179.6

176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

500000

400000

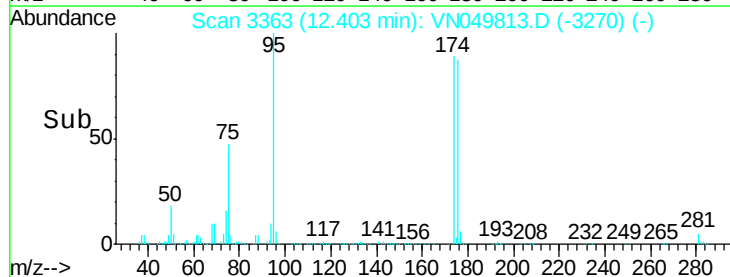
300000

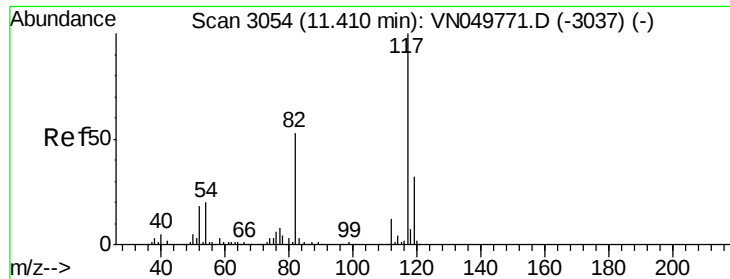
200000

100000

0

Time-->

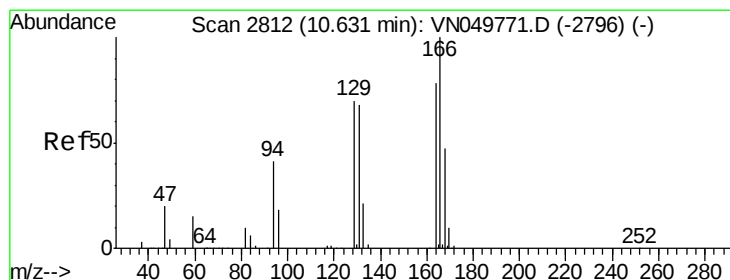
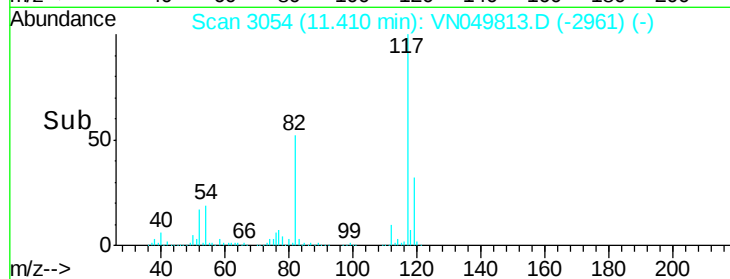
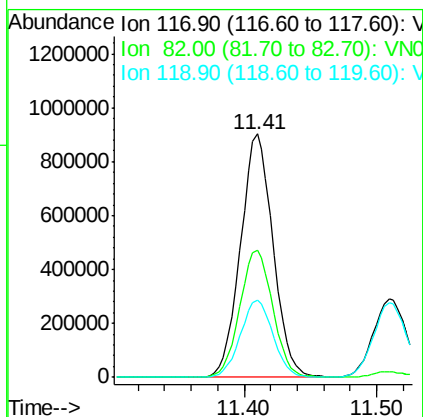
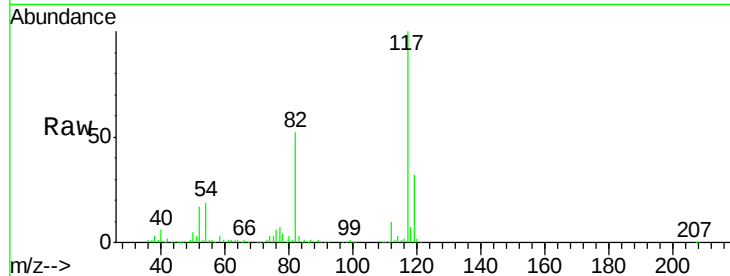




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

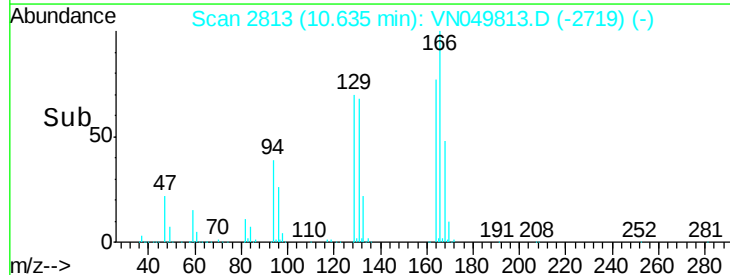
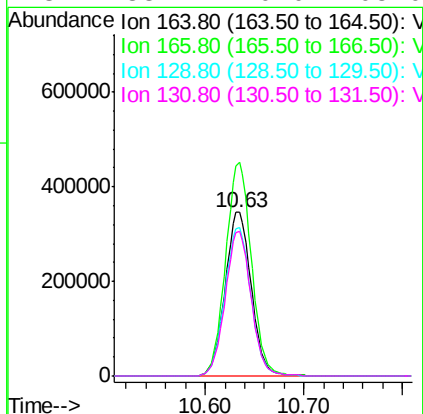
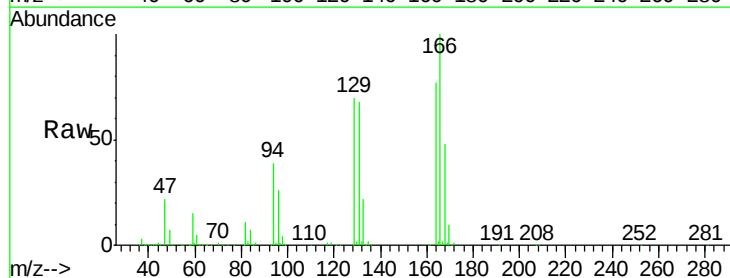
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

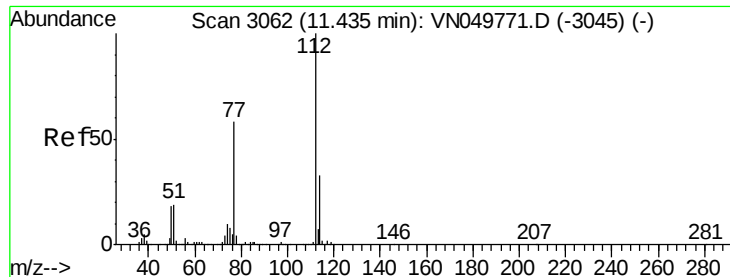
Tot Ion:117 Resp: 1539598
Ion Ratio Lower Upper
117 100
82 52.4 41.9 62.9
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 45.87 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion:164 Resp: 641223
Ion Ratio Lower Upper
164 100
166 130.5 101.8 152.6
129 90.9 72.8 109.2
131 88.2 70.0 105.0





#65

Chlorobenzene

Concen: 47.14 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

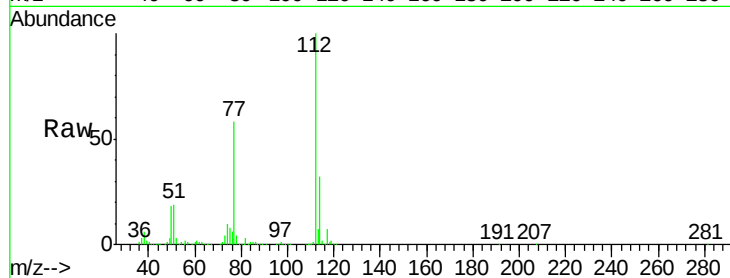
VSTDCCC050

Tot Ion:112 Resp: 1890908

Ion Ratio Lower Upper

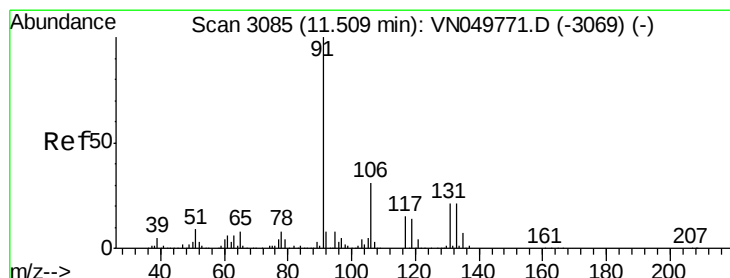
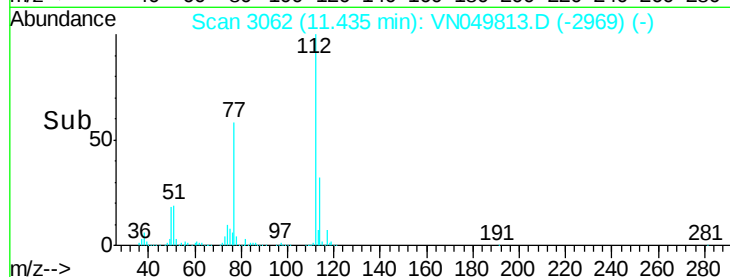
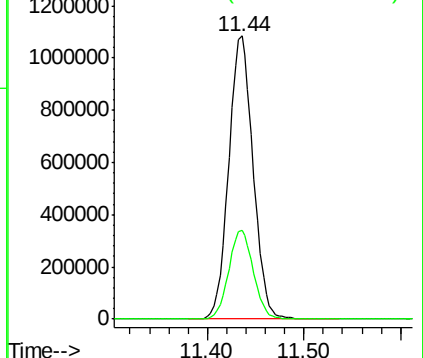
112 100

114 31.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.96 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

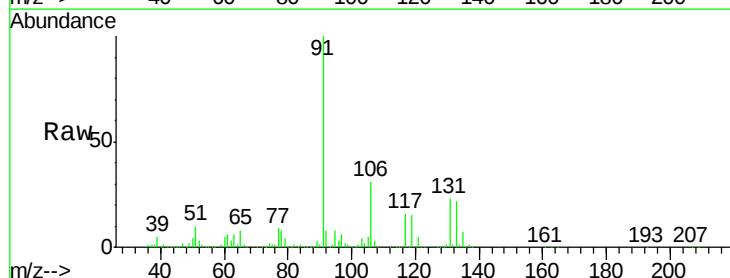
Tgt Ion:131 Resp: 738867

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

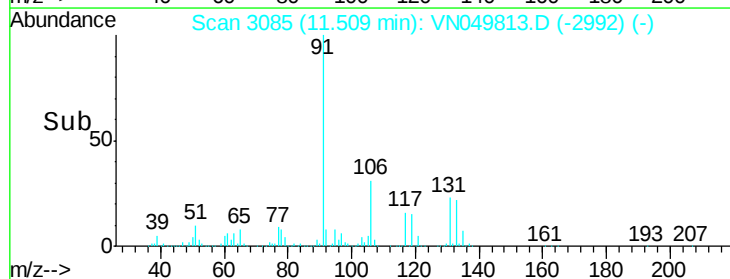
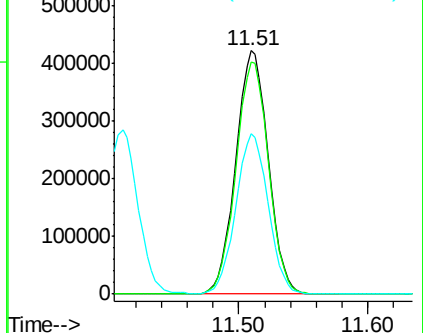
119 65.6 33.1 99.3

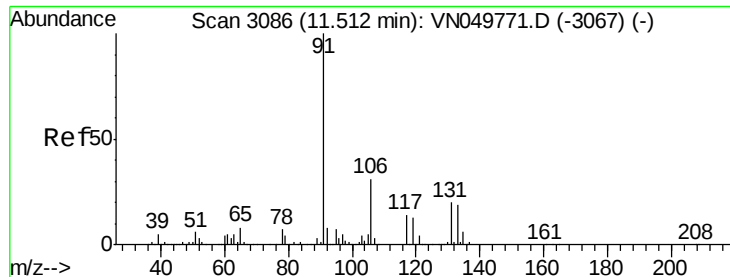


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.35 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

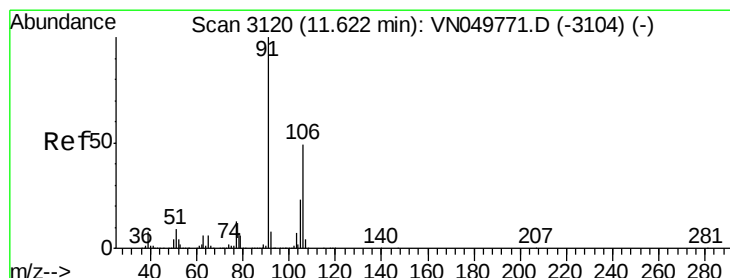
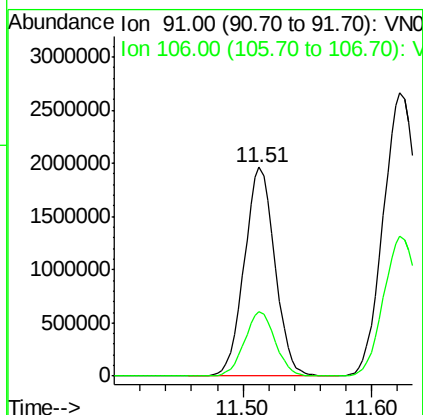
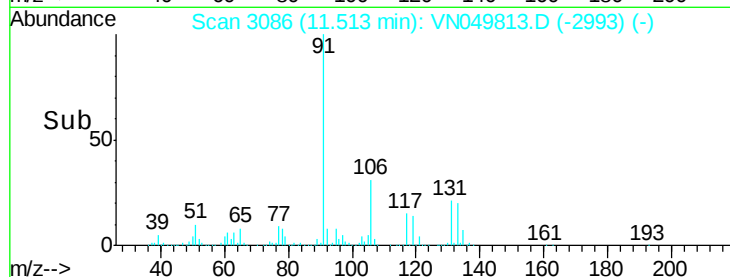
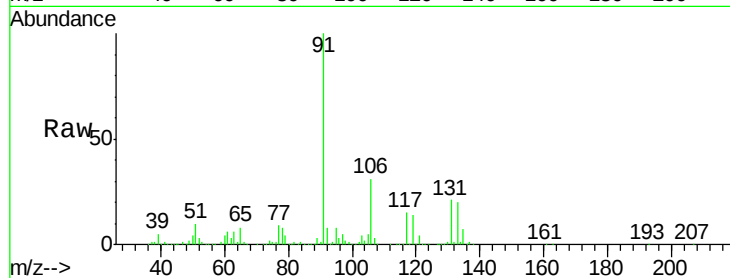
VSTDCCC050

Tot Ion: 91 Resp: 3241276

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2



#68

m/p-Xylenes

Concen: 101.62 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049813.D

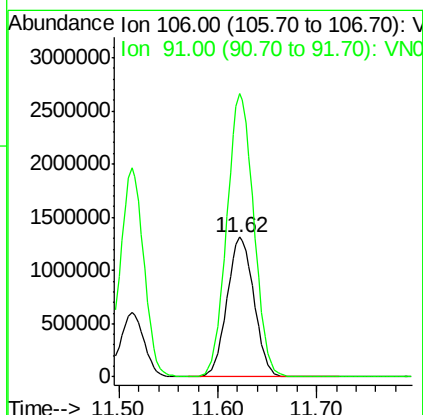
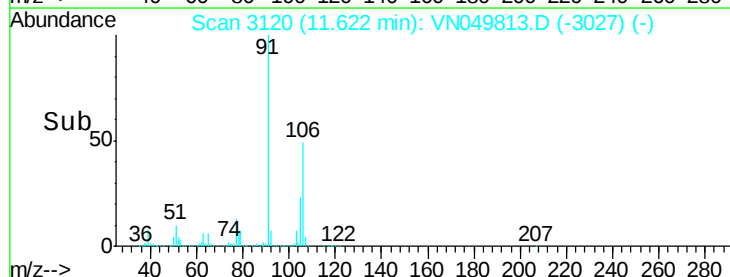
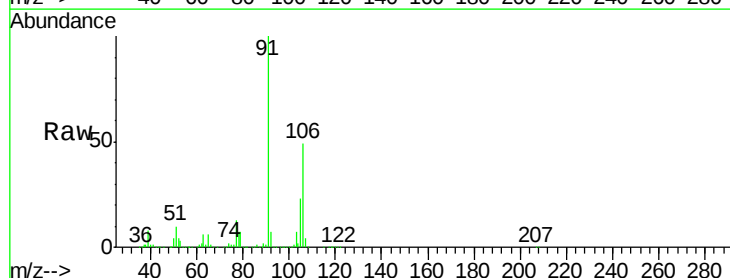
Acq: 13 Jul 2018 22:38

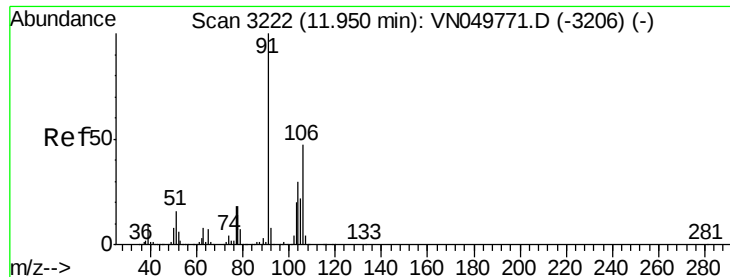
Tgt Ion: 106 Resp: 2505163

Ion Ratio Lower Upper

106 100

91 202.4 163.4 245.2

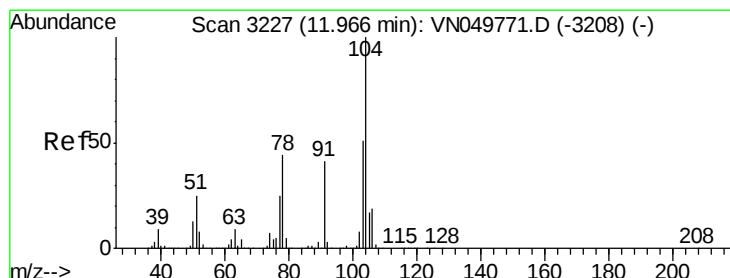
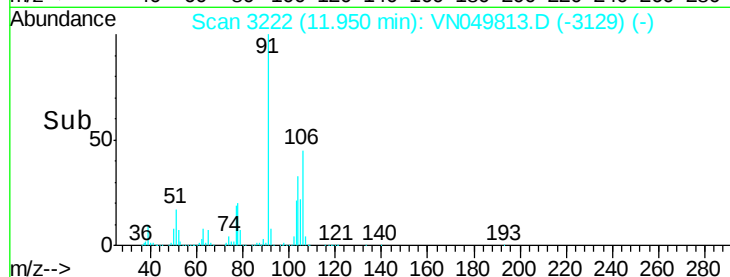
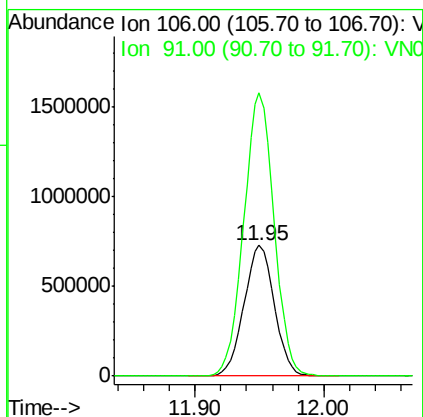
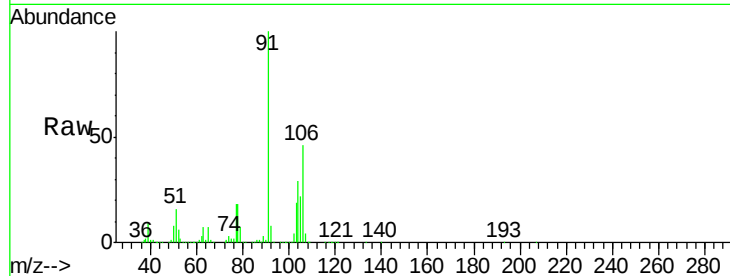




#69
o-Xylene
Concen: 50.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

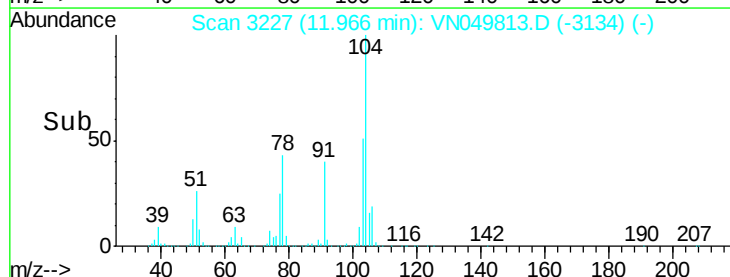
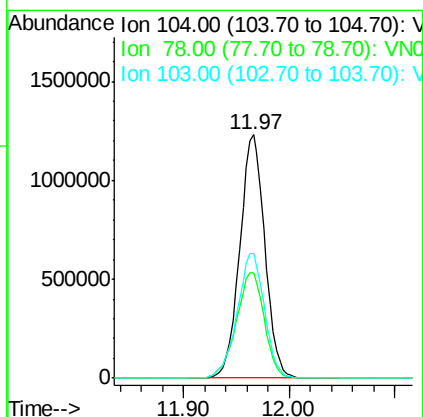
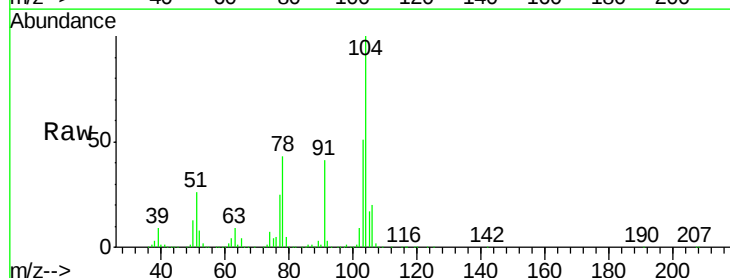
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

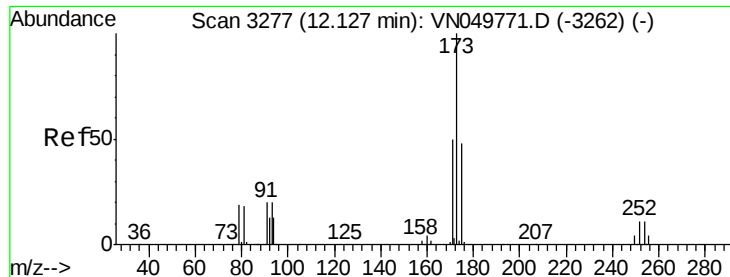
Tot Ion:106 Resp: 1193455
Ion Ratio Lower Upper
106 100
91 215.2 108.7 326.1



#70
Styrene
Concen: 53.53 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion:104 Resp: 2025052
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.9 44.6 67.0





#71

Bromoform

Concen: 49.99 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

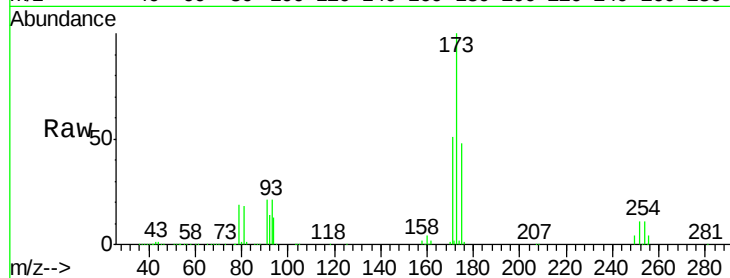
Tot Ion:173 Resp: 509662

Ion Ratio Lower Upper

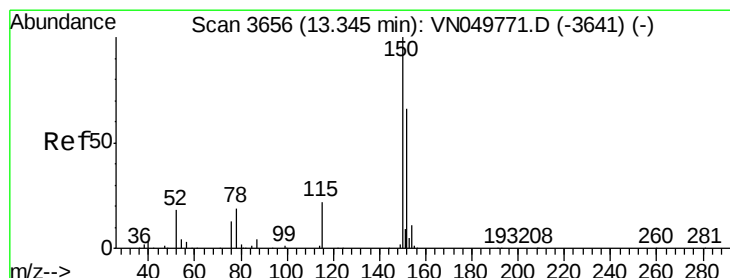
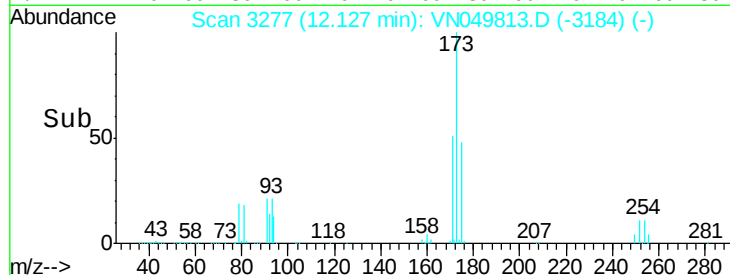
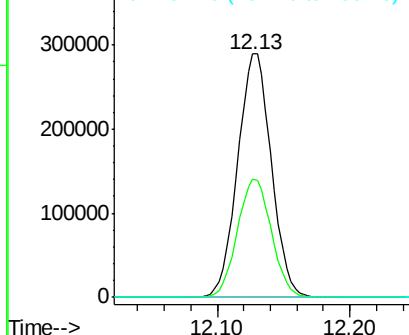
173 100

175 49.1 24.6 73.8

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

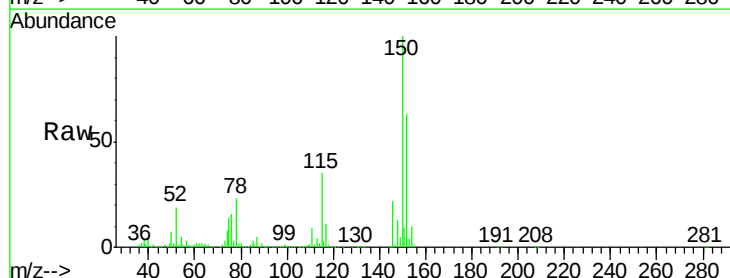
Tgt Ion:152 Resp: 823155

Ion Ratio Lower Upper

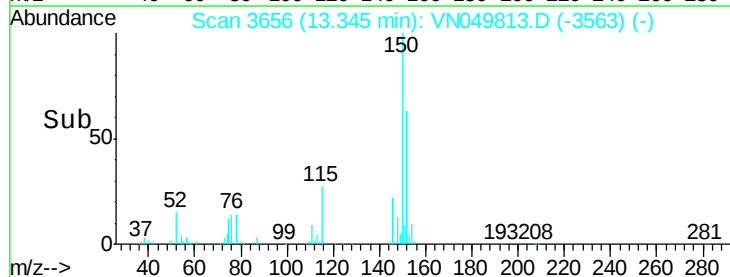
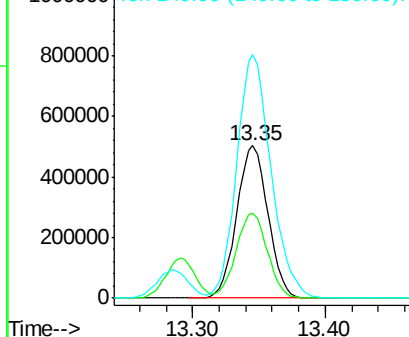
152 100

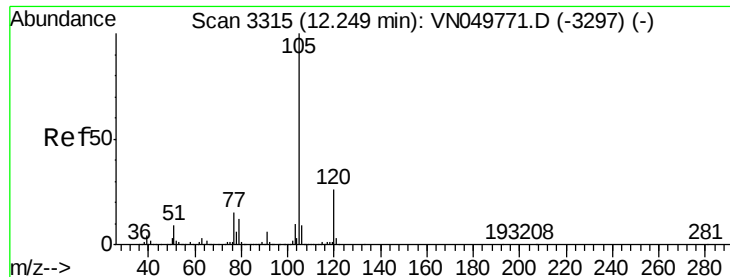
115 55.8 28.1 84.2

150 175.1 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.45 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

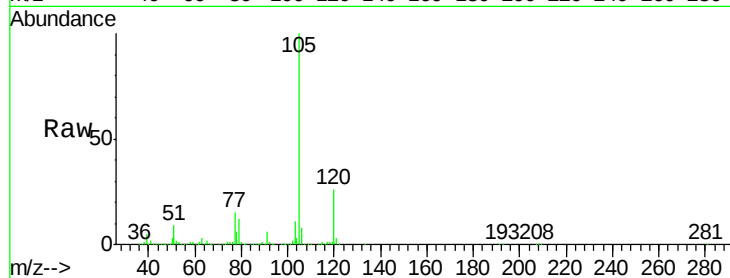
VSTDCCC050

Tot Ion:105 Resp: 3246184

Ion Ratio Lower Upper

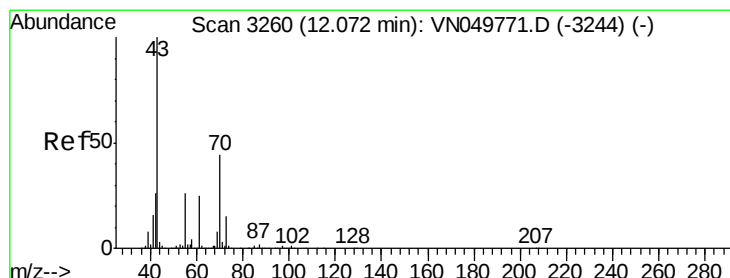
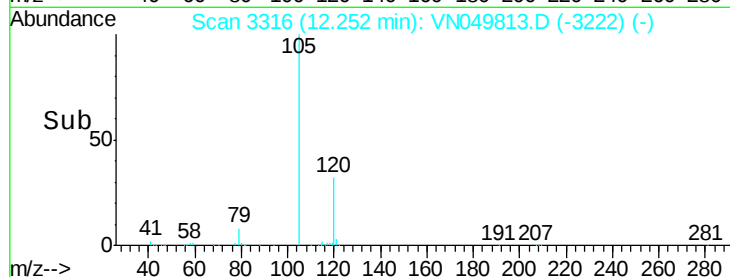
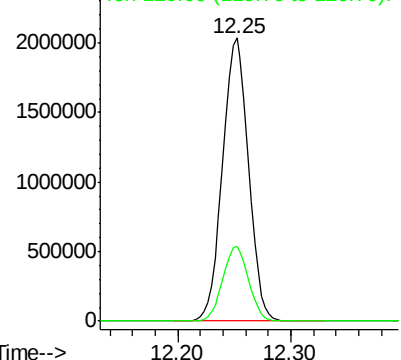
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.91 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion: 43 Resp: 888308

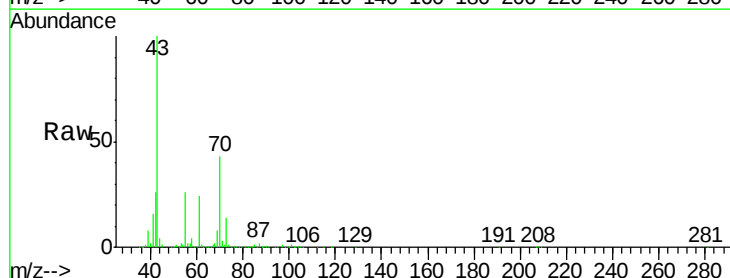
Ion Ratio Lower Upper

43 100

70 42.9 34.8 52.2

55 26.4 20.9 31.3

61 24.3 19.9 29.9

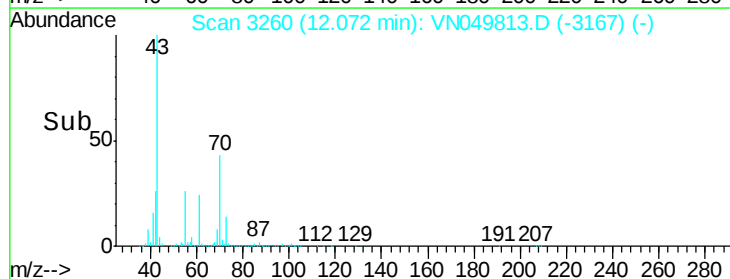
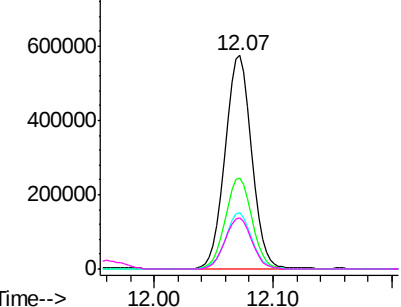


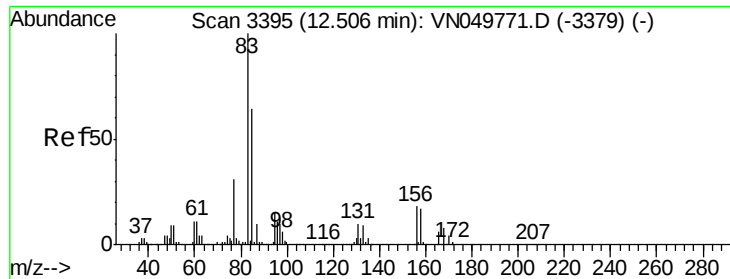
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

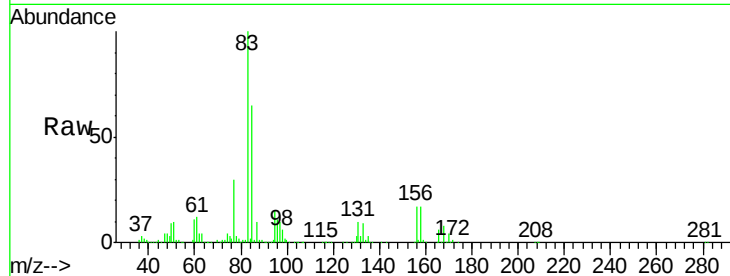
Tot Ion: 83 Resp: 806039

Ion Ratio Lower Upper

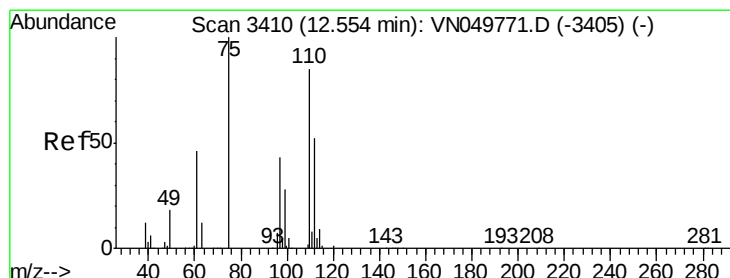
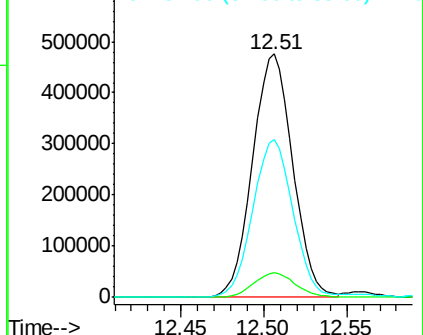
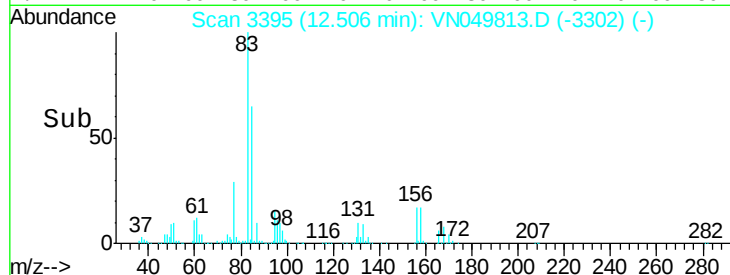
83 100

131 10.6 5.2 15.6

85 64.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049813.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 65.31 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049813.D

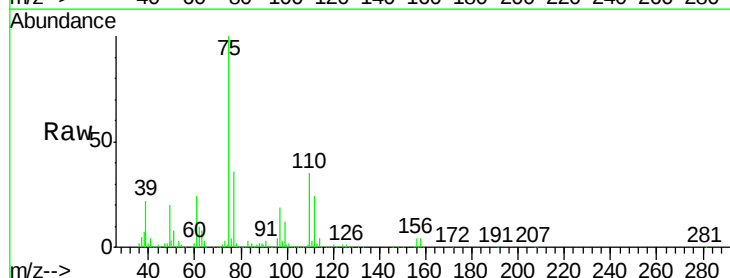
Acq: 13 Jul 2018 22:38

Tgt Ion: 75 Resp: 954989

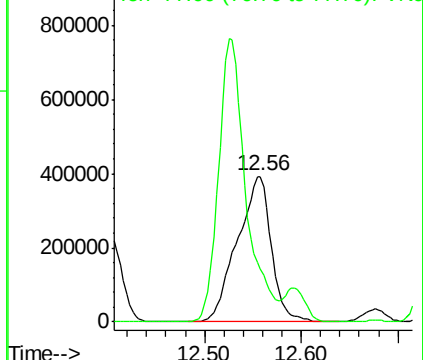
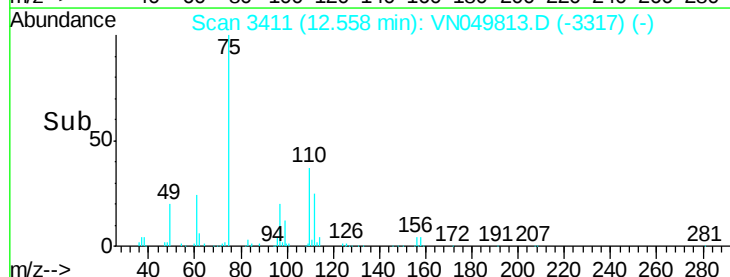
Ion Ratio Lower Upper

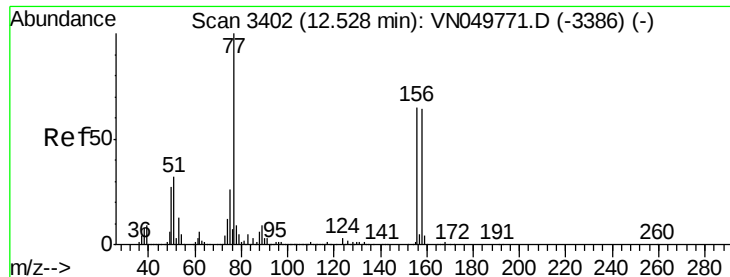
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049813.D (-3317) (-)





#77

Bromobenzene

Concen: 46.27 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

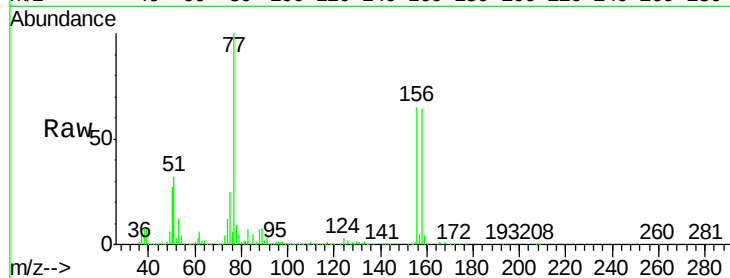
Tot Ion:156 Resp: 839788

Ion Ratio Lower Upper

156 100

77 178.9 90.2 270.6

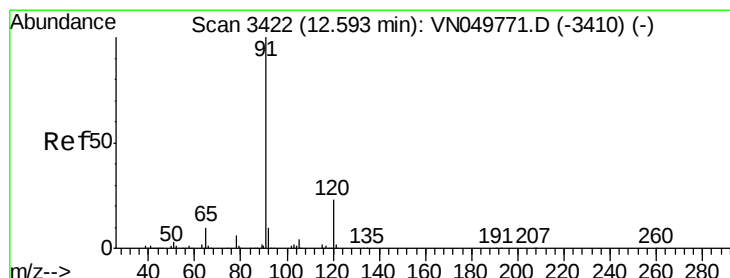
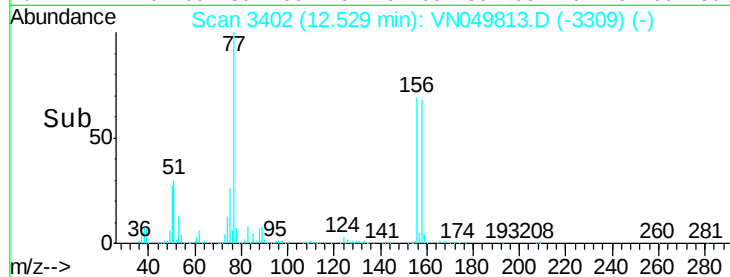
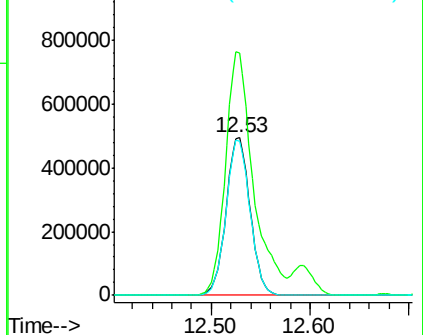
158 98.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049813.D

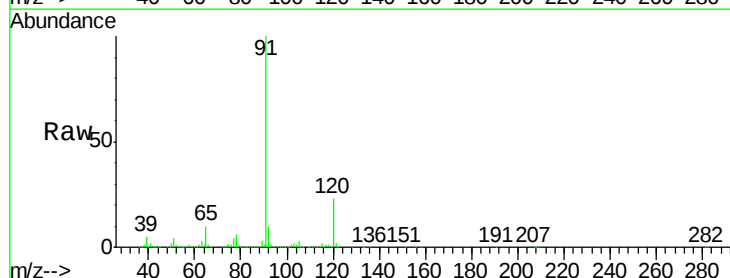
Acq: 13 Jul 2018 22:38

Tgt Ion: 91 Resp: 3750847

Ion Ratio Lower Upper

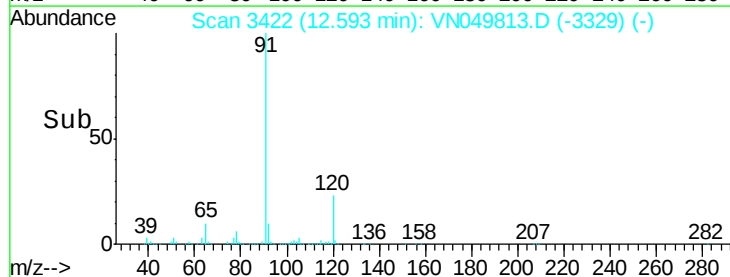
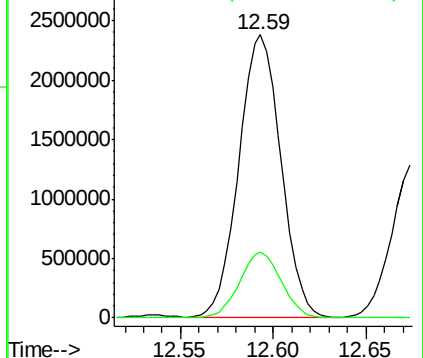
91 100

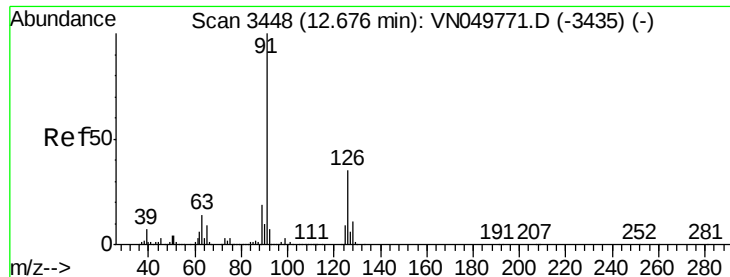
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.34 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

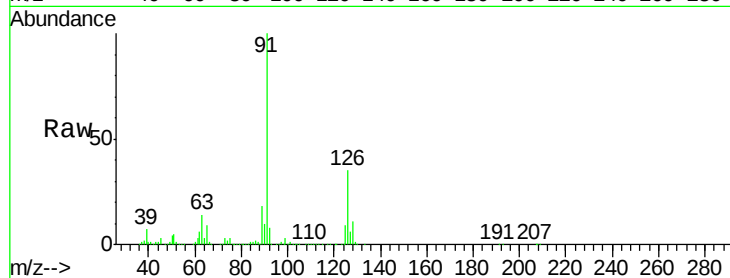
VSTDCCC050

Tot Ion: 91 Resp: 2234814

Ion Ratio Lower Upper

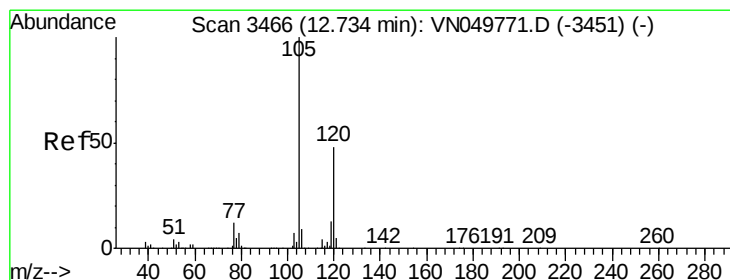
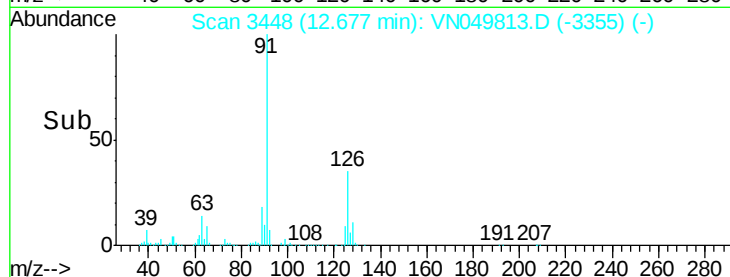
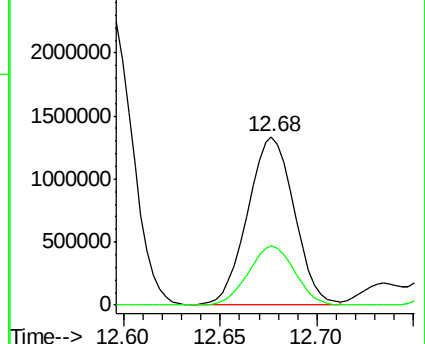
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049813.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049813.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049813.D

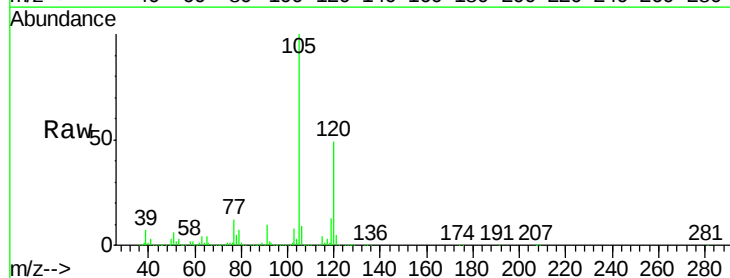
Acq: 13 Jul 2018 22:38

Tgt Ion: 105 Resp: 2672393

Ion Ratio Lower Upper

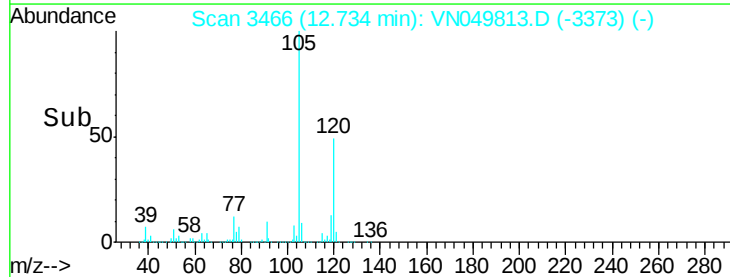
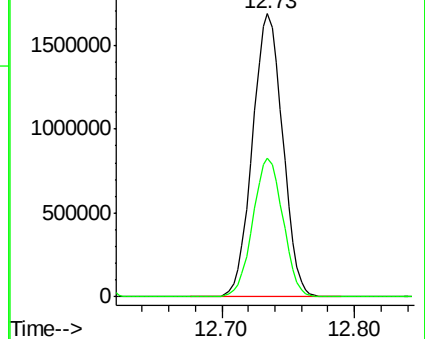
105 100

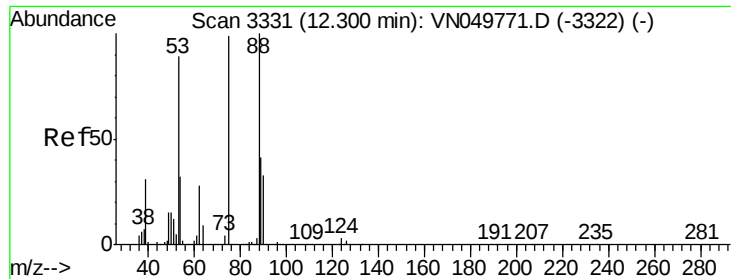
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049813.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049813.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.36 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

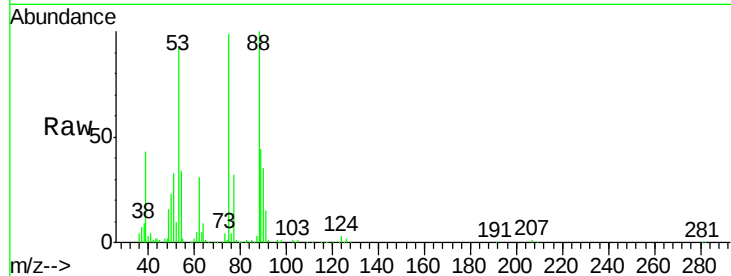
Tot Ion: 75 Resp: 209920

Ion Ratio Lower Upper

75 100

53 92.6 73.9 110.9

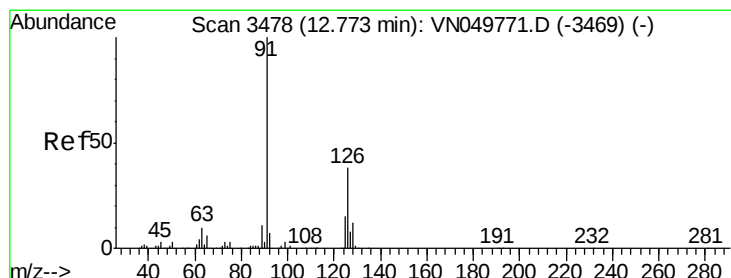
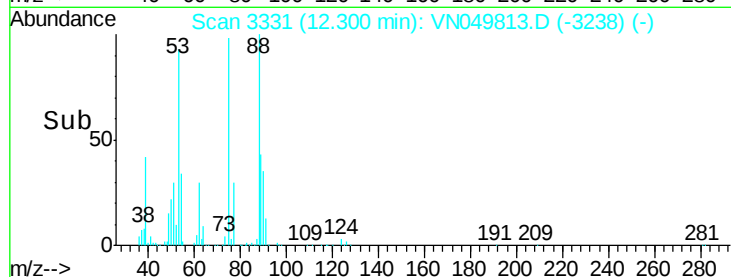
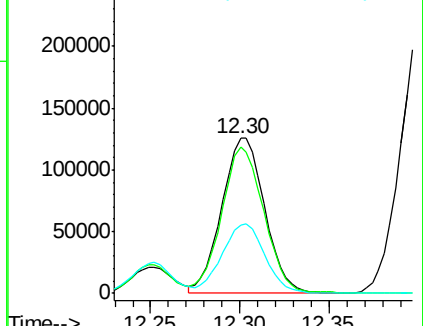
89 45.0 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.90 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049813.D

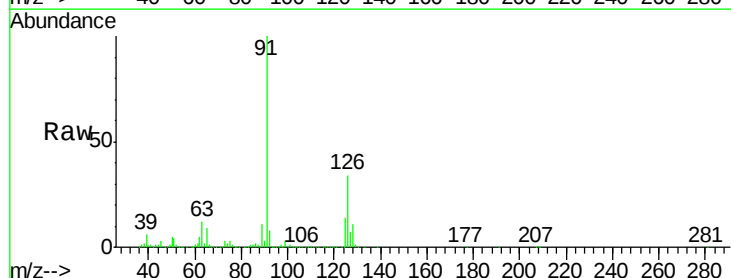
Acq: 13 Jul 2018 22:38

Tgt Ion: 91 Resp: 2242460

Ion Ratio Lower Upper

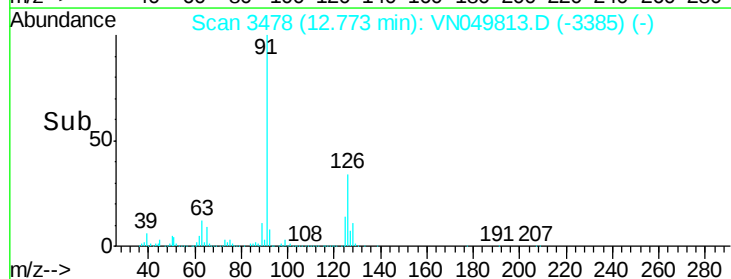
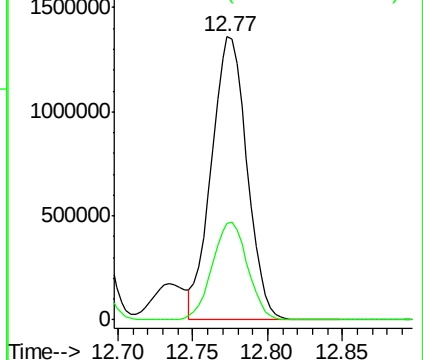
91 100

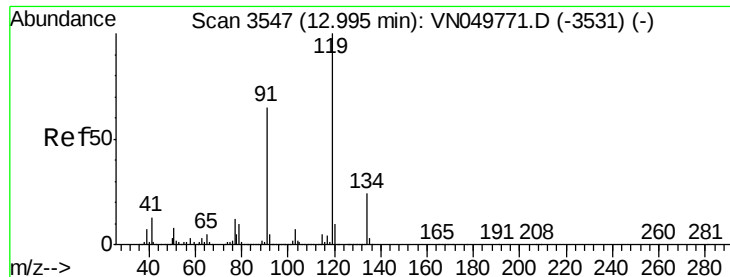
126 34.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.66 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

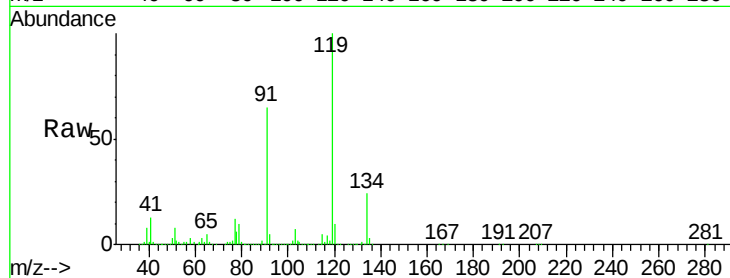
Tot Ion:119 Resp: 2318338

Ion Ratio Lower Upper

119 100

91 63.6 32.0 96.2

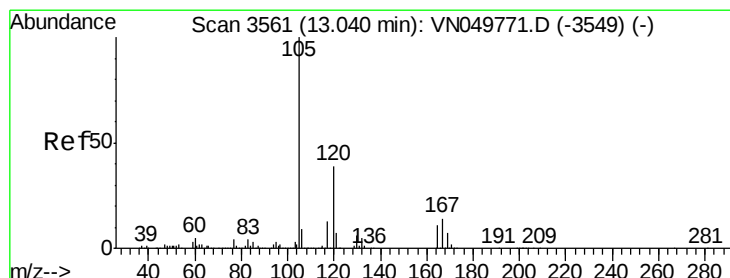
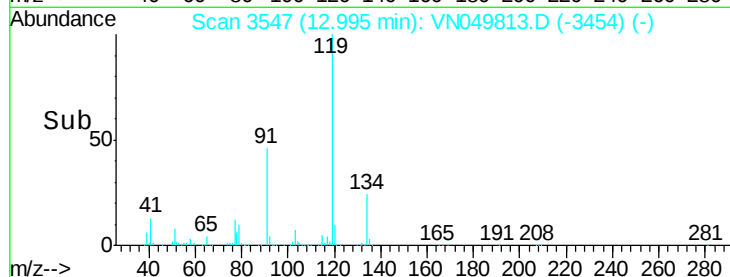
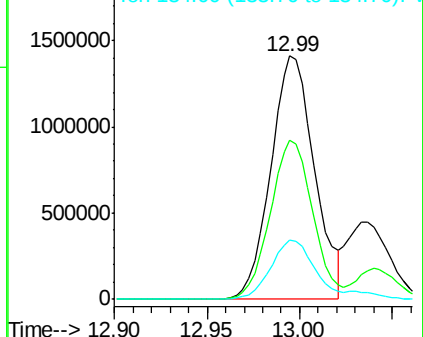
134 26.6 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.34 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049813.D

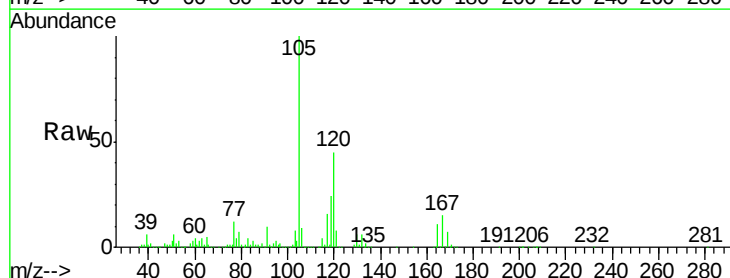
Acq: 13 Jul 2018 22:38

Tgt Ion:105 Resp: 2744594

Ion Ratio Lower Upper

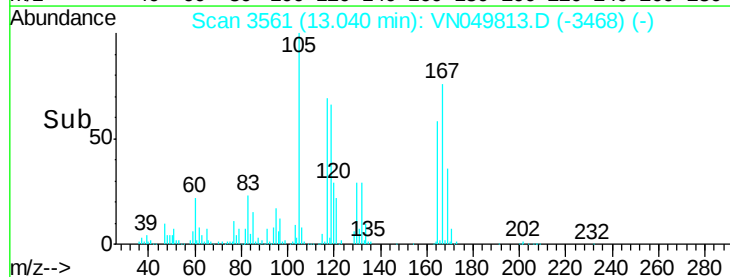
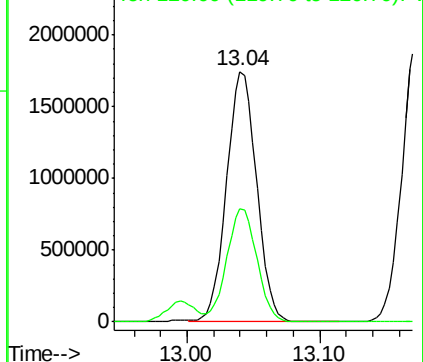
105 100

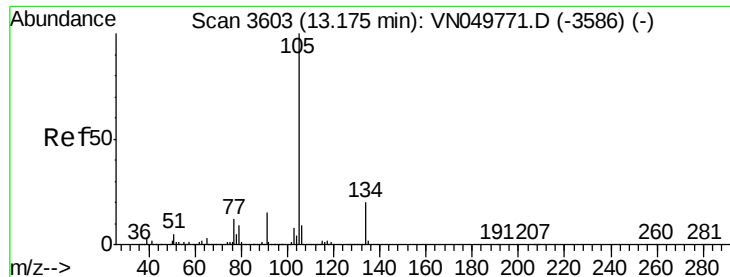
120 45.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.12 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

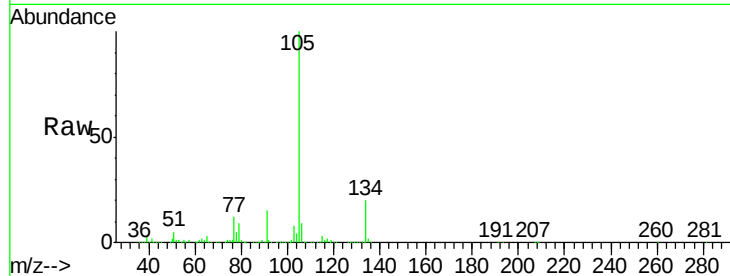
VSTDCCC050

Tot Ion:105 Resp: 3131656

Ion Ratio Lower Upper

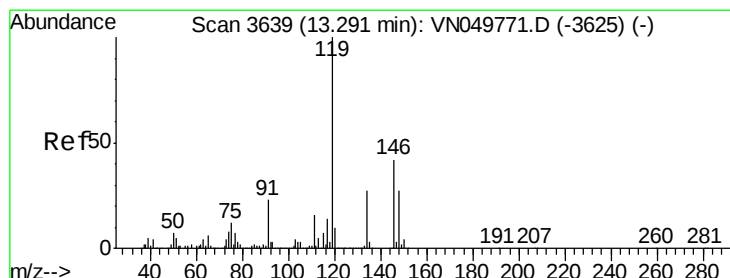
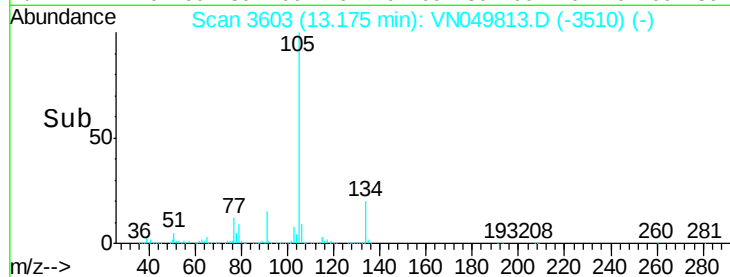
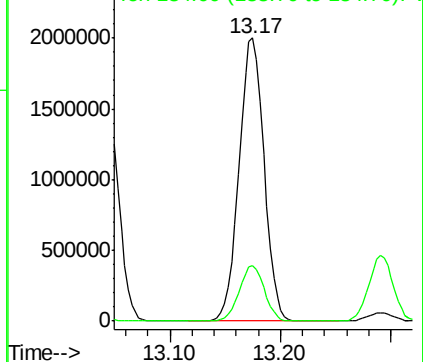
105 100

134 19.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.20 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

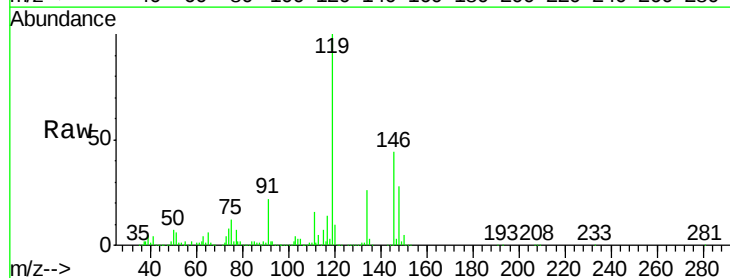
Tgt Ion:119 Resp: 2708146

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

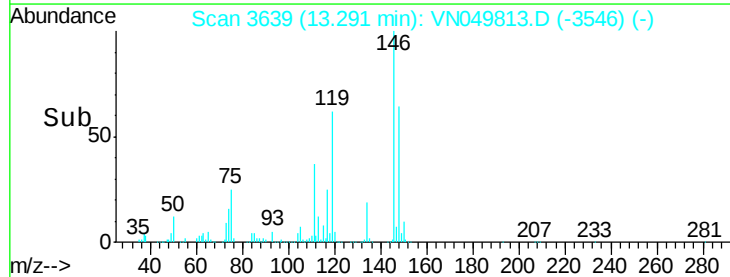
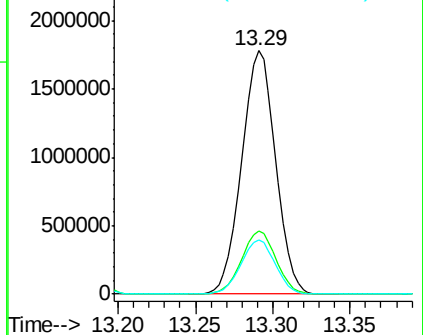
91 22.5 11.4 34.1

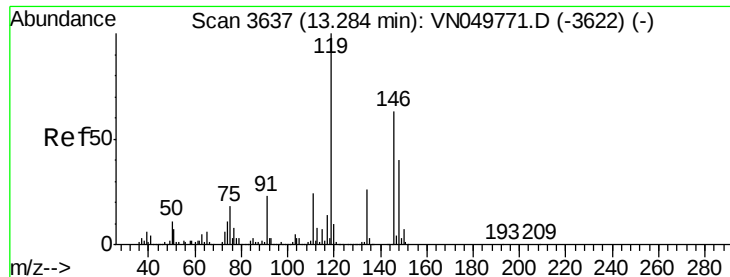


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.45 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

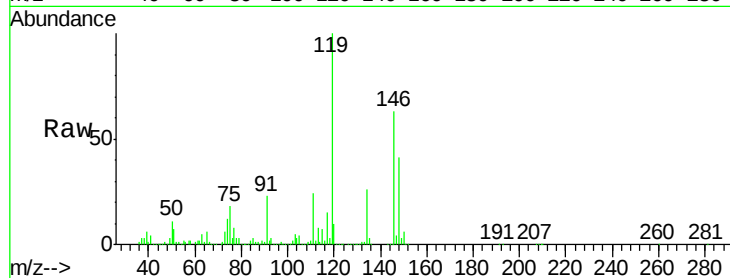
Tot Ion:146 Resp: 1492921

Ion Ratio Lower Upper

146 100

111 37.9 19.0 57.0

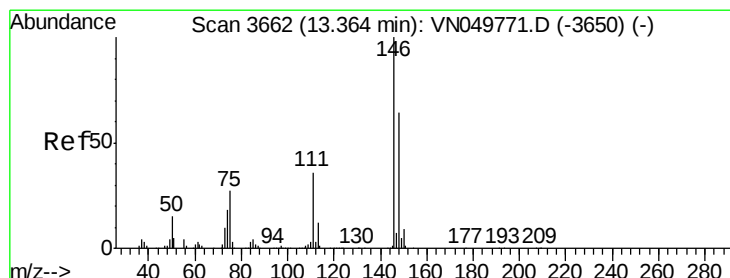
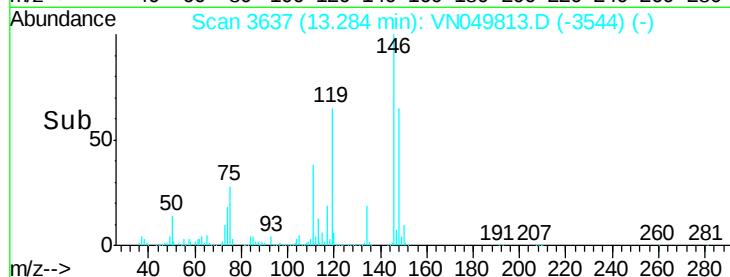
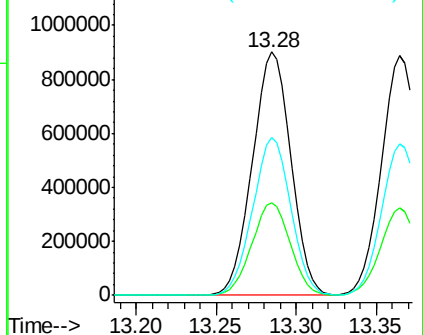
148 64.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.43 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

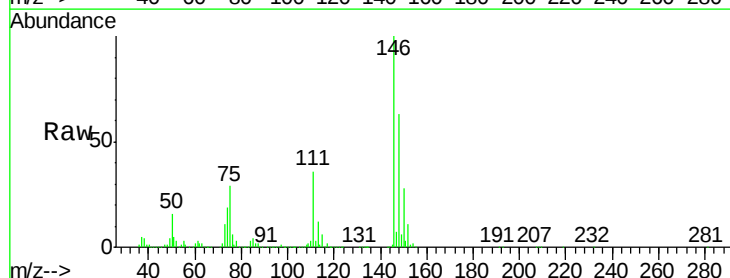
Tgt Ion:146 Resp: 1450848

Ion Ratio Lower Upper

146 100

111 36.7 18.9 56.5

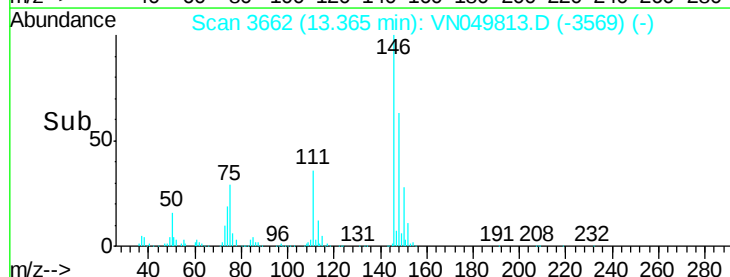
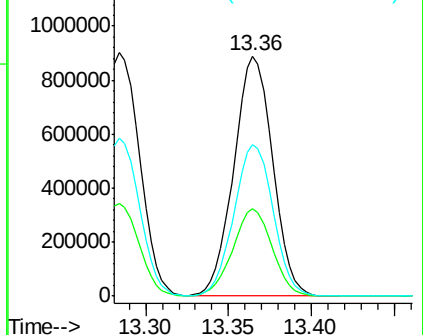
148 63.8 32.1 96.3

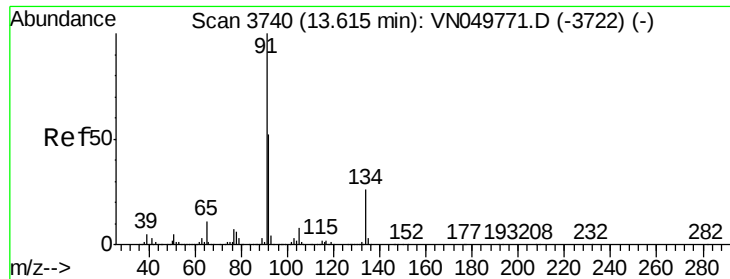


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.16 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

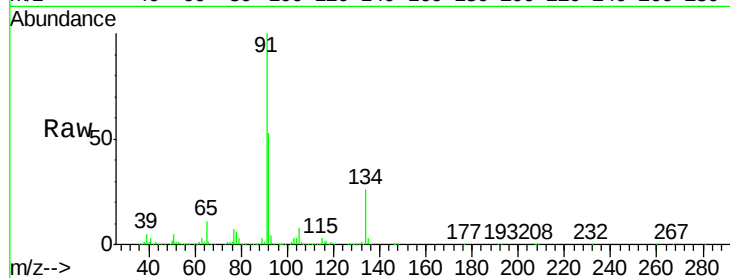
Tot Ion: 91 Resp: 2189217

Ion Ratio Lower Upper

91 100

92 52.0 25.8 77.3

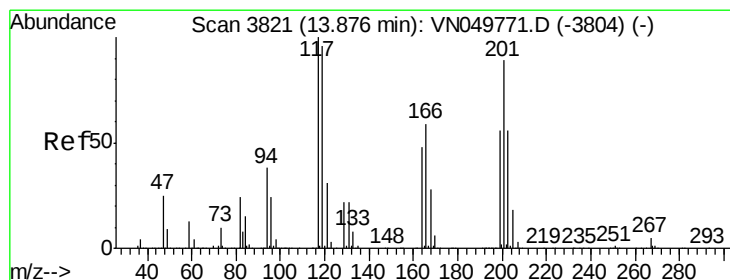
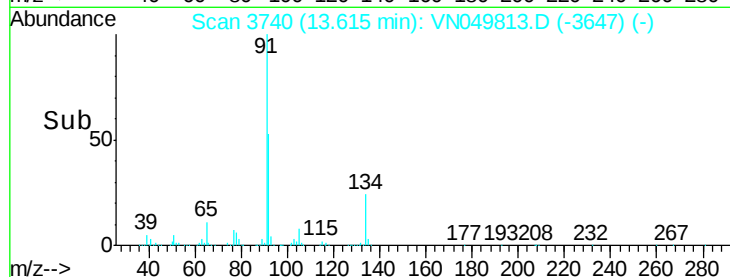
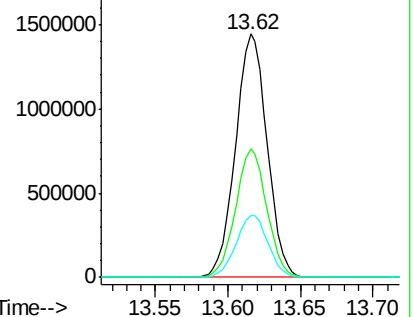
134 25.8 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049813.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049813.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049813.D (-3647) (-)



#90

Hexachloroethane

Concen: 48.92 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049813.D

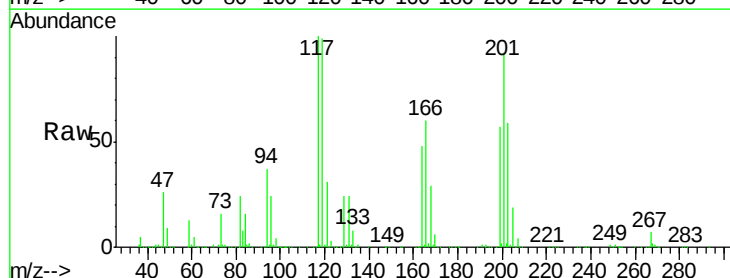
Acq: 13 Jul 2018 22:38

Tgt Ion: 117 Resp: 510819

Ion Ratio Lower Upper

117 100

201 91.9 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

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Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

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Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

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Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

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Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

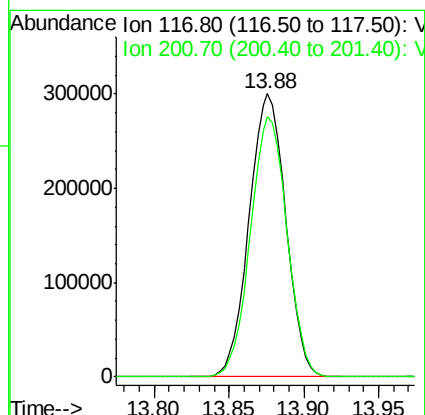
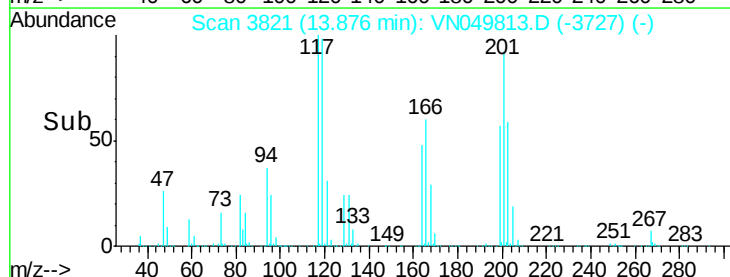
Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

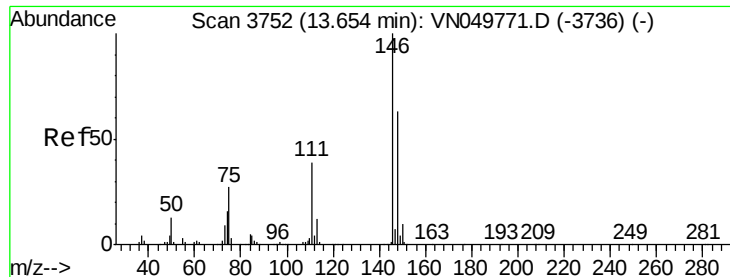
Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049813.D (-3727) (-)





#91

1,2-Dichlorobenzene

Concen: 48.19 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

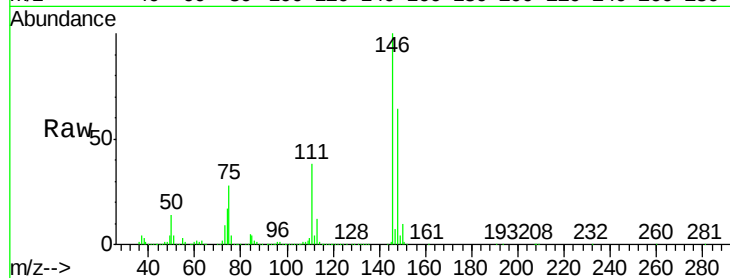
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1479920

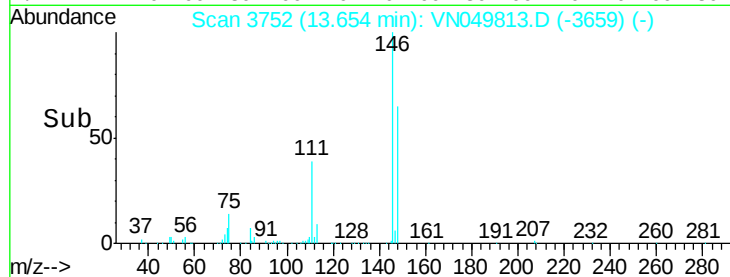
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.1
148	64.5	32.0	96.2



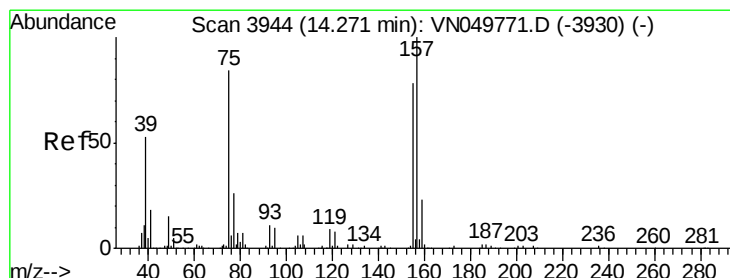
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.55 13.60 13.65 13.70



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.13 ug/l

RT: 14.27 min Scan# 3944

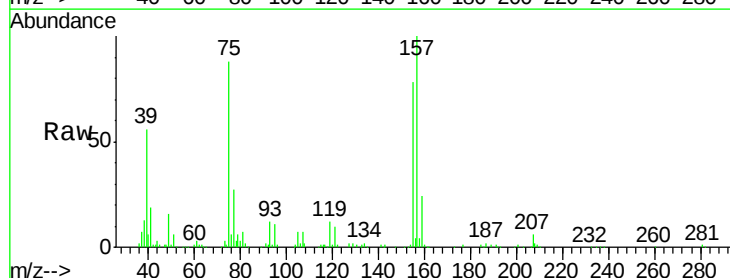
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion: 75 Resp: 121199

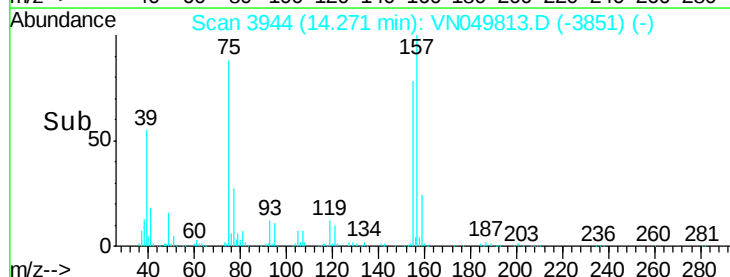
Ion	Ratio	Lower	Upper
75	100		
155	88.4	45.7	137.1
157	114.9	56.9	170.7



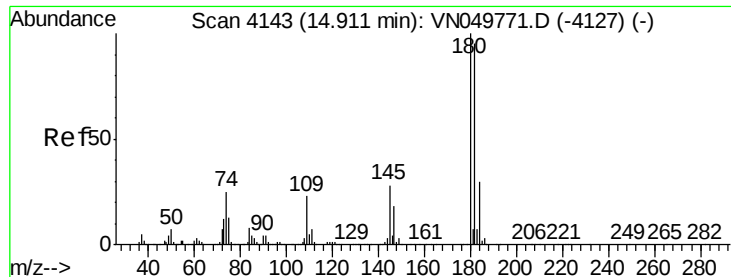
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



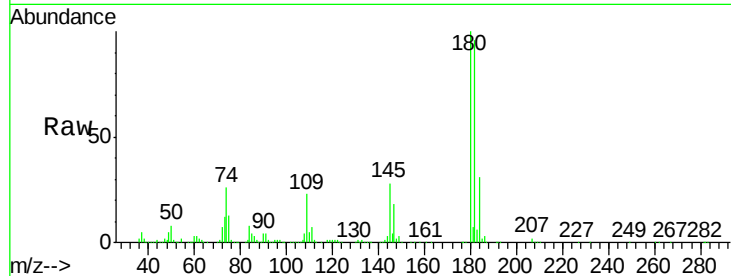
Time--> 14.20 14.25 14.30 14.35



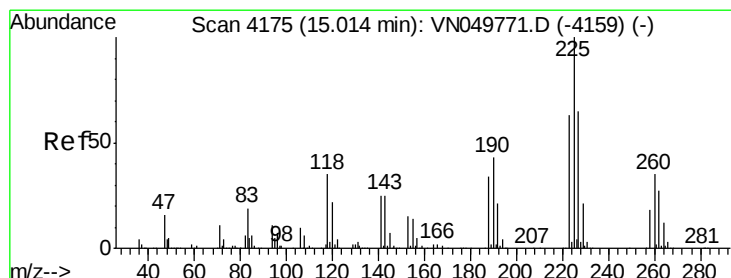
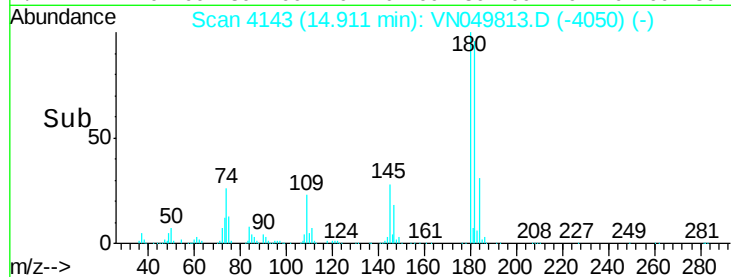
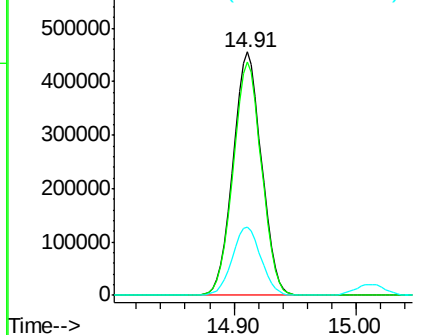
#93
 1,2,4-Trichlorobenzene
 Concen: 43.99 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 735911
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 141.9
 145 28.4 14.4 43.0

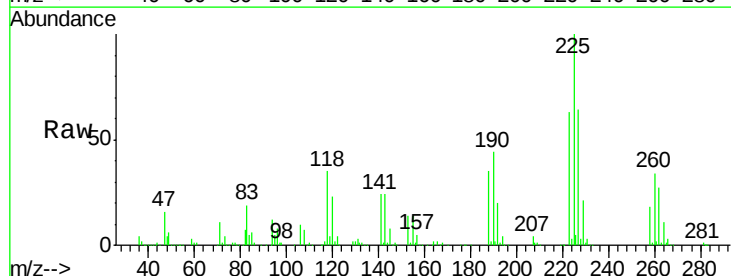


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

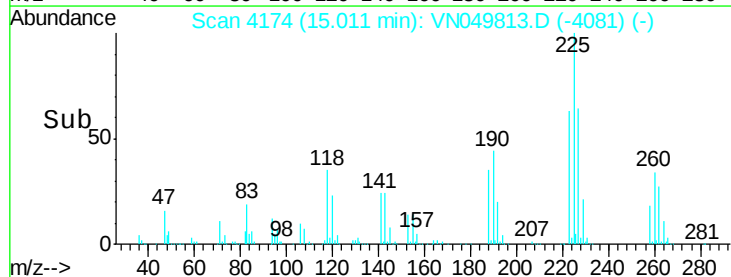
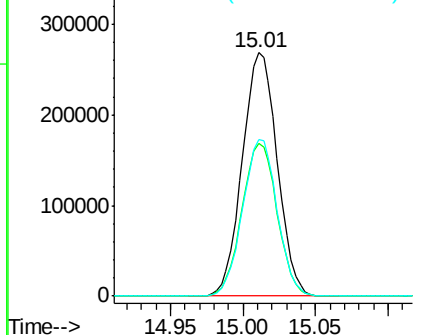


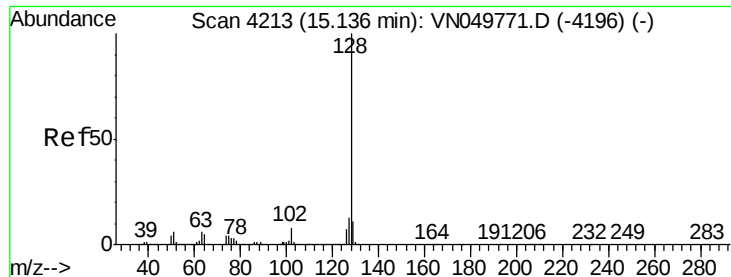
#94
 Hexachlorobutadiene
 Concen: 47.96 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion:225 Resp: 451197
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 63.5 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.45 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

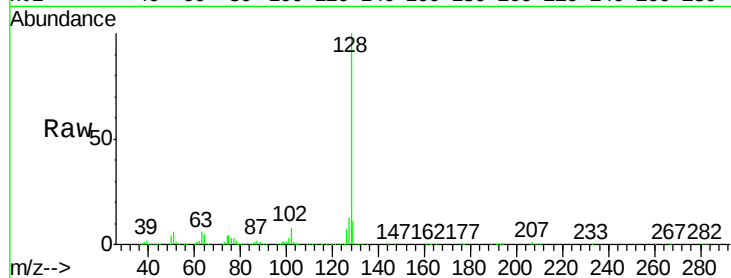
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1521081

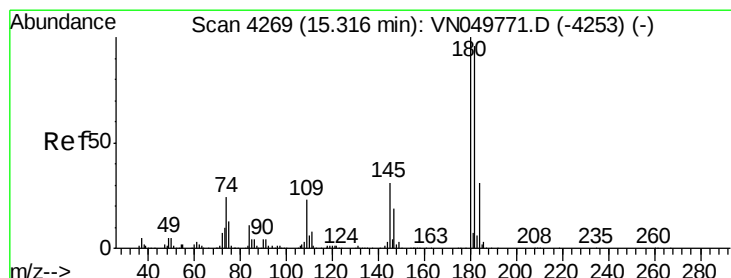
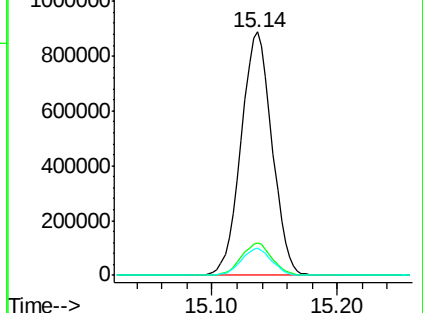
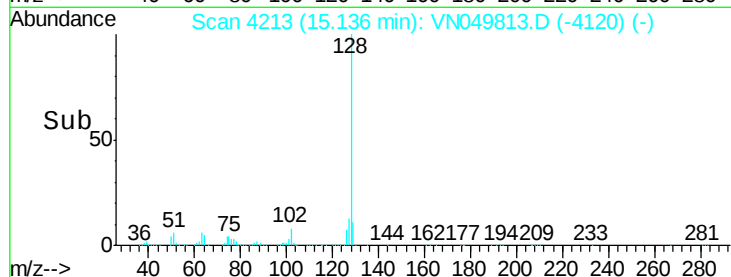
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.69 ug/l

RT: 15.32 min Scan# 4269

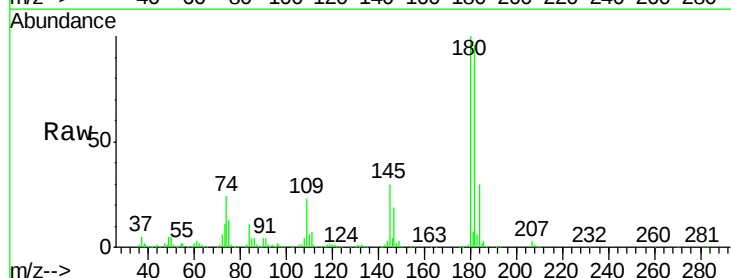
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:180 Resp: 739941

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	30.1	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

